VALIDATED DATA FOR SDGs 94 - 97, and 101

OF THE CAMP EDWARDS IMPACT AREA GROUNDWATER STUDY

MASSACHUSETTS MILITARY RESERVATION CAPE COD, MASSACHUSETTS

Prepared for

NATIONAL GUARD BUREAU ARLINGTON, VIRGINIA

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Group A, Explosives (8330N)	
Group B, Volatiles (OC21V)	

QUALIFICATION CODE REFERENCE TABLE

Qualifier	Organics	Inorganics
Н	Holding times were exceeded.	Holding times were exceeded.
S	Surrogate recovery was outside QC limits.	The sequence or number of standards used for the calibration was incorrect.
С	Calibration %RSD or %D were noncompliant.	Correlation coefficient is <0.995.
R	Calibration RRF was <0.05.	%R for calibration is not within control limits.
В	Presumed contamination from preparation (method) blank.	Presumed contamination from preparation (method) or calibration blank.
L	Not applicable.	Laboratory Control Sample %R were not within control limits.
Q	MS/MSD recovery was poor or RPD high.	MS recovery was poor.
Е	Not applicable.	Duplicates showed poor agreement.
I	Internal standard performance was unsatisfactory.	ICP ICS results were unsatisfactory.
A	Not applicable.	ICP Serial Dilution %D were not within control limits.
M	Tuning (BFB or DFTPP) was noncompliant.	Not applicable.
T	Presumed contamination from trip blank.	Not applicable.
+	False positive - reported compound was not present.	Not applicable.
-	False negative - compound was present but not reported.	Not applicable.
F	Presumed contamination from FB or ER.	Presumed contamination from FB or ER.
\$	Reported result or other information was incorrect.	Reported result or other information was incorrect.
?	TIC identity or reported retention time has been changed.	Not applicable.
D	The analysis with this flag should not be used because another more technically sound analysis is available.	The analysis with this flag should not be used because another more technically sound analysis is available.
Р	Instrument performance for pesticides was poor.	Post Digestion Spike recovery was not within control limits.
#	Unusual problems found with the data that have been described in Section 1, "Data Validation Findings." The number following the asterisk () will indicate the subsection where a description of the problem can be found.	Unusual problems found with the data that have been described in Section 1, "Data Validation Findings." The number following the asterisk (*) will indicate the subsection where a description of the problem can be found.

DATA QUALIFIER REFERENCE TABLE

Qualifier	Organics	Inorganics
U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.	The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.	The associated value is an estimated quantity.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification."	Not applicable.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.	Not applicable.
UJ	The analyte was not deemed above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.	The material was analyzed for, but was not detected. The associated value is an estimate and may be inaccurate or imprecise.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and to meet quality control criteria. The presence or absence of the analyte cannot be verified.	The data are unusable. (Note: Analyte may or may not be present).

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COCID	90MW0003	90MW0034	FIELDQC	FIELDQC	FIELDQC	
AB EPA NO	AA301	AA306	AA145	AA146	AA147	
Date Sampled	1/19/99	1/20/99	1/8/99	1/8/99	1/11/99	
Depth	60-65	94-99	0-0	0-0	0-0	
Method Analyte	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE	
8330N (UG/L)						
OCTAHYDRO-1,3,5,7-TETRANIT	. 0.25 U U	0.25 U U	0.25 U U	0.25 U U	0.25 U U	
HEXAHYDRO-1,3,5-TRINITRO-1	, 0.25 U U	0.25 U U	0.25 U U	0.25 U U	0.25 U U	
1,3,5-TRINITROBENZENE	0.70 U *8,+	0.31 U *8,+	0.25 U U	0.25 U U	0.25 U U	
1,3-DINITROBENZENE	0.26 U *8,+	0.25 U U	0.25 U U	0.25 U U	0.25 U U	
TETRYL	0.25 U U	0.25 U U	0.25 U U	0.25 U U	0.25 U U	
NITROBENZENE	0.25 U U	0.25 U U	0.25 U U	0.25 U U	0.25 U U	
2,4,6-TRINITROTOLUENE	0.25 U U	0.25 U U	0.25 U U	0.25 U U	0.25 U U	
4-AMINO-2,6-DINITROTOLUENE	3 0.25 U U	26.00 E U *8,+	0.25 U U	0.25 U U	0.25 U U	
2-AMINO-4,6-DINITROTOLUENE	3 0.25 U U	0.25 U U	0.25 U U	0.25 U U	0.25 U U	
2,6-DINITROTOLUENE	0.25 U U	0.25 U U	0.25 U U	0.25 U U	0.25 U U	
2,4-DINITROTOLUENE	0.25 U U	+8* U 88.+	0.25 U U	0.25 U U	0.25 U U	
PICRIC ACID	0.25 U U	0.25 U U	0.25 U U	0.25 U U	0.25 U U	
2-NITROTOLUENE	26.00 E U *8,+	0.25 U UJ C	0.25 U U	0.25 U U	0.25 U U	
4-NITROTOLUENE	. 0.25 U U	0.25 U U	0.25 U U	0.25 U U	0.25 U U	
3-NITROTOLUENE	7.40 U *8,+	1.80 U *8,+	0.25 U U	0.25 U U	0.25 U U	
2,6-DIAMINO-4-NITROTOLUENE	3 0.50 U	0.50 U U	0.50 U U	0.50 U U	0.50 U U	
2,4-DIAMINO-6-NITROTOLUENE	3 0.25 U UJ C	0.25 U UJ C	0.25 U U	0.25 U U	0.25 U U	87
PENTAERYTHRITOL TETRANIT	160.00 U *8,+		10.00 U	10.00 U	U 00.00 U	Ver.
NITROGLYCERIN	790.00 E U *8,+	840.00 E · U *8,+	5.00 U U	5.00 U U	5.00 U U	SCEN
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			MONE	2		ou 23s
				retain		деши
	Die Land			untrice .	S) Transfer	olni les
		FORM Y' DOME OF	Se separative issue			Techni
						EES

LAB EPA NO	AA148	AA191	AA200	AA202	AA248
Date Sampled	1/12/99	1/12/99	1/13/99	1/13/99	1/14/99
	0-0	0-0	0-0	0-0	0-0
Method Analyte	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE
8330N (UG/L)					
OCTAHYDRO-1,3,5,7-TETRANIT	0.25 U U				
HEXAHYDRO-1,3,5-TRINITRO-1,	0.25 U U				
1,3,5-TRINITROBENZENE	0.25 U U				
1,3-DINITROBENZENE	0.25 U U				
TETRYL	0.25 U U				
NITROBENZENE	0.25 U U				
2,4,6-TRINITROTOLUENE	0.25 U U				
4-AMINO-2,6-DINITROTOLUENE	0.25 U U				
2-AMINO-4,6-DINITROTOLUENE	0.25 U U				
2,6-DINITROTOLUENE	0.25 U U				
2,4-DINITROTOLUENE	0.25 U U				
PICRIC ACID	0.25 U U				
2-NITROTOLUENE	0.25 U U				
4-NITROTOLUENE	0.25 U U				
3-NITROTOLUENE	0.25 U U				
2,6-DIAMINO-4-NITROTOLUENE	0.50 U U	0.50 U U	0.50 U U	0.50 U U	0.50 U
2,4-DIAMINO-6-NITROTOLUENE	0.25 U U				
PENTAERYTHRITOL TETRANIT	10.00 U	10.00 U	10.00 U	U 00.01	10.00 U
NITROGLYCERIN	5.00 U	5.00 U U	5.00 U U	5.00 U U	5.00 U U

VALIDATED MMR LABORATORY DATA

GROUP A, EXPLOSIVES RESULTS 1999

Comparison Com	LOCID	FELDQC	FELDQC	FIELDQC	FELDQC	WL34M1	
Mathematical Math	PA NO	4A256	AA290	AA291	AA308	AA001	
Color Colo		(/14/99	1/19/99	1/19/99	1/20/99	1/8/99	
CGGD MINOSERALITY CASE OF COLUMN ANALYTRAL LAM BY GOAD		0-(0-0	0-0	0-0	131-131	
0.25 U U 0.25 U 0.25 U U 0.25	ethod Analyte	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE	QUAL	LAB REV QUAL QUAL	LAB REV QUAL QUAL	ANALYTICAL LAB REV RESULT QUAL QUAL	QUAL
0.25 U U 0.2	130N (UGL)						
0.25 U U 0.2	OCTAHYDRO-1,3,5,7-TETRANIT	ח	25 U	25 U	þ		6*
0.25 U U 0.25 U 0.25 U U 0.25	HEXAHYDRO-1,3,5-TRINITRO-1,	0.25 U U	25 U	D	þ	田	D
0.25 U U 0.25 U 0.25 U U 0.25	1,3,5-TRINITROBENZENE	n	25 U	ח	D		+,0*
0.25 U U 0.2	1,3-DINITROBENZENE	D	D	D	n	D	
0.25 U U 0.25 U 0.25 U U 0.25	TETRYL	n	ח	n	ם	n	
0.25 U U 0.025 U 0.025 U U 0.025	NITROBENZENE	n	25 U	D	D	D	-
0.25 U U 0.025 U U 0.25 U U 0.	2,4,6-TRINITROTOLUENE	D	25 U	n	n	D	
0.25 U U 0.	4-AMINO-2,6-DINITROTOLUENE	n	25 U	D	D	ח	
0.25 U U 0.2	2-AMINO-4,6-DINITROTOLUENE	n	25 U	D	n	D	
0.25 U U 0.2	2,6-DINITROTOLUENE	n	25 U	D	D	D	
0.25 U U 0.	2,4-DINITROTOLUENE	n	25 U	n	n	n	
0.25 U U 0.2	PICRIC ACID	n	25 U	D	D	n	
0.25 U U 0.2	2-NITROTOLUENE	n	D	n	n	n	
0.25 U U 0.50 U	4-NITROTOLUENE	n	25 U	D	n	n	
0.50 U U 0.25 U 0.25 U U 0.25 U 0.2	3-NITROTOLUENE	D	25 U	n	n		*8,+
0.25 U U 0.25 U U 10.00 U U 10.00 U U 10.00 U U 10.00 U U 14.00 U 14.00 U 18.4+	2,6-DIAMINO-4-NITROTOLUENE	n	50 U	D	D	D	
10.00 U U 10.00 U U 10.00 U U 10.00 U U 14.00 U 14.00 U 18.+	2,4-DIAMINO-6-NITROTOLUENE	n	n	n	D	n	C
5.00 U U 5.00 U U 14.00 U *8,+	PENTAERYTHRITOL TETRANIT				n	ח	
	NITROGL YCERIN	n			þ		+ % *
					-		
	17						

					1
N V I W	AA001DL		AA003	AA004	AA005
Ť	66/8/1	66/8/1	1/12/99	1/12/99	1/12/99
	131-131	141-141	151-151	156-156	161-161
Method Analyte	ANALYTICAL LAB REV QUAL RESULT QUALQUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUALQUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE
8330N (UG/L)					
OCTAHYDRO-1,3,5,7-TETRANIT	0.57 D R D	0.53	0.25 U U	0.25 U U	0.25 U U
HEXAHYDRO-1,3,5-TRINITRO-1,	29.00 D	13.00	1.20 U *8,+	0.25 U U	0.25 U U
1,3,5-TRINITROBENZENE	0.50 U R D	0.25 U U	0.25 U U	0.25 U U	0.25 U U
1,3-DINITROBENZENE	0.50 U R D	0.25 U U	0.25 U U	0.25 U U	0.25 U U
TETRYL	0.50 U R D	0.25 U U	0.25 U U	0.25 U U	0.25 U U
NITROBENZENE	0.50 U R D	0.25 U U	0.25 U U	0.25 U U	0.25 U U
2.4.6-TRINITROTOLUENE	0.50 U R D	0.25 U U	0.25 U U	0.25 U U	0.25 U U
4-AMINO-2,6-DINITROTOLUENE	0.50 U R D	0.25 U U	0.25 U U	0.25 U U	0.25 U U
2-AMINO-4,6-DINITROTOLUENE	0.50 U R D	0.25,U U	0.25 U U	0.25 U U	0.25 U U
2.6-DINITROTOLUENE	0.50 U R D	0.25 U U	0.25 U U	0.25 U U	0.25 U U
2,4-DINITROTOLUENE	0.50 U R D	0.25 U U	0.25 U U	0.25 U U	0.25 U U
PICRIC ACID	0.50 U R D	0.44 U *8,+	8.30 U *8,+	1.30 U *8,+	0.61 U *8,+
2-NITROTOLUENE	0.50 U R D	0.25 U U	0.25 U U	0.25 U U	0.25 U U
4-NITROTOLUENE	0.50 U R D	0.25 U U	0.25 U U	0.25 U U	0.25 U U
3-NITROTOLUENE	0.50 U R D	0.25 U U	0.25 U U	0.25 U U	0.25 U U
2,6-DIAMINO-4-NITROTOLUENE	1.00 U R D	0.50 U U	0.50 U U	0.50 U U	0.50 U U
2,4-DIAMINO-6-NITROTOLUENE	0.50 U R D	0.25 U :UJ C	0.25 U UJ C	0.25 U UJ C	
PENTAERYTHRITOL TETRANIT	20 00 U R D	10.00 U	10.00 U	10.00 U	U 00:001
NITROGLYCERIN	15.00 D R D	5.00 U U	250.00 U *8,+	14.00 U *8,+	5.00 U U
		-			
					-
		-			

VALIDATED MMR LABORATORY DATA

GROUP A, EXPLOSIVES RESULTS 1999

				QUAL CODE														+,8,+					C	ΙЭΛ	ion Systems RGEN	ismolni l	cs	in
WL34M1	AA010	1/12/99	201-201	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE			0.25 U U	0.25 U U	0.25 U U	0.25 U U	0.25 U U	0.25 U U	0.25 U U	0.25 U U	0.25 U U	0.25 U U	0.25 U U	1.20 U	0.25 U U	0.25 U U	0.25 U U	0.50 U U	0.25 U UJ	10.00 U	7.60 U			
			e	REV QUAL QUAL CODE			<u></u>		U *8,+	n		n	n	D		D	b	D	ם	n	D	D	u c	n	n *8*+			
WL34M1	AA009	1/12/99	191-191	ANALYTICAL LAB R RESULT QUAL Q			0.25 U	0.25 U	0.40	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.50 U	0.25 U	10.00 U	28.00			
WL34M1	AA008	1/12/99	177-177	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE			0.25 U U	0.25 U U	0.25 U U	0.25 U U	0.25 U U	0.25 U U	0.25 U U	0.25 U U	0.25 U U	0.25 U U	0.25 U U	0.25 U U	0.25 U U	0.25 U U	0.25 U U	0.50 U U	0.25 U UJ C	10.00 U	5.00 U U			
WL34M1	AA007	1/12/99	171-171	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE			0.25 U U	0.25 U U	0.25 U U	0.25 U U	0.25 U U	0.25 U U	0.25 U U	0.25 U U	0.25 U U	0.25 U U	0.25 U U	0.46 U *8,+	0.25 U U	0.25 U U	0.25 U U	0.50 U U	0.25 U UJ C	10.00 U	5.00 U· U			
WL34M1	AA006	1/12/99	166-166	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE			0.25 U U	0.25 U U	0.25 U U	0.25 U U	0.25 U U	0.25 U U	0.25 U U	0.25 U U	0.25 U U	0.25 U U	0.25 U U	0.81 U *8,+	0.25 U U	0.25 U U	0.25 U U	0.50 U U	0.25 U UJ C	10.00 U	5.00 U U			
I OCID	PA NO	ed		Method Analyte	Alialyte	8330N (UGL)	OCTAHYDRO-1,3,5,7-TETRANIT	HEXAHYDRO-1,3,5-TRINITRO-1,	1,3,5-TRINITROBENZENE	1,3-DINITROBENZENE	TETRYL	NITROBENZENE	2,4,6-TRINITROTOLUENE	4-AMINO-2,6-DINITROTOLUENE	2-AMINO-4,6-DINITROTOLUENE	2,6-DINITROTOLUENE	2,4-DINITROTOLUENE	PICRIC ACID	2-NITROTOLUENE	4-NITROTOLUENE	3-NITROTOLUENE	2,6-DIAMINO-4-NITROTOLUENE	2,4-DIAMINO-6-NITROTOLUENE	PENTAERYTHRITOL TETRANIT	NITROGLYCERIN			

VALIDATED MMR LABORATORY DATA GROUP A, EXPLOSIVES RESULTS 1999

AAA101 AAA101 AAA200 Date Sampled 1/13/99 1/	\cdot 220 19/99 7-217	AA287	AA222	AA223
ampled d ANALYTICAL LAB REV QUAL (UGAL) AHYDRO-1,3,5,7-TETRANIT AHYDRO-1,3,5,7-TETRANIT AHYDRO-1,3,5,7-TETRANIT AHYDRO-1,3,5,7-TETRANIT AHYDRO-1,3,5,7-TETRANIT AHYDRO-1,3,5,7-TETRANIT AHYDRO-1,3,5,7-TETRANIT AHYDRO-1,3,5,7-TETRANIT CO25 U U ANALYTICAL LAB REV QUAL CO25 U U ANALYTICAL CO25 U U ANALYTICAL CO25 U U ANALYTICAL ANALYTICAL CO25 U U ANALYTICAL ANALYTICAL CO25 U U ANALYTICAL CO25 U ANALY	19/99			
ANALYTICAL LAB REV QUAL	7-217	1/19/99	1/20/99	1/20/99
## ANALYTICAL LAB REV QUAL CODE (## PESULT QUAL CODE CODE CODE CODE CODE CODE CODE CODE		217-217	237-237	247-247
RO-1,3,5,7-TETRANIT 0.25 U U RO-1,3,5-TETRANITRO-1, 0.25 U U TROBENZENE 0.25 U U DBENZENE 0.25 U U ZENE 0.25 U U TROTOLUENE 0.25 U U G-DINITROTOLUENE 0.25 U U DTOLUENE 0.25 U U DTOLUENE 0.25 U U DTOLUENE 0.25 U U DCUENE 0.25 U U CUENE 0.25 U U CUENE 0.25 U U O-4-NITROTOLUENE 0.25 U U O-6-NITROTOLUENE	ANALYTICAL LAB REV QUAL RESULT QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE
0.25 U U U 0.25 U U U 0.25 U U U 0.25 U U U 0.25 U U U 0.25 U U U 0.25 U U 0.25 U U U 0.25 U U U 0.25 U U U 0.25 U U 0.25 U U U 0.25 U 0.25 U U 0.25				
-TRINITRO-1, 0.25 U U NZENE 0.25 U U ENE 0.25 U U 0.25 U U 0.25 U U 0.25 U U CUENE 0.25 U U ROTOLUENE 0.25 U U ENE 0.25 U U ENE 0.25 U U 0	0.25 U U	0.25 U U	0.25 U U	0.25 U U
NZENE 0.25 U U	0.40 U *8,+	+ 0.46 U *8,+	0.25 U U	0.25 U U
ENE 0.25 U U U U U U U U U	0.25 U U	0.25 U U	0.25 U U	0.25 U U
UUENE 0.25 U U 0.25 U U U CROTOLUENE 0.25 U U U CROTOLUENE 0.25 U U U ENE 0.25 U U U 0.25 U U U 0.25 U U U 0.25 U U U 0.25 U U U U 0.25 U U U U U 0.25 U U U U 0	0.25 U U	0.25 U U	0.25 U U	0.25 U U
CUENE 0.25 U U ROTOLUENE 0.25 U U ROTOLUENE 0.25 U U ENE 0.25 U U ENE 0.25 U U COS U COS U U COS U	0.25 U U	0.25 U U	0.25 U U	0.25 U U
CUENE 0.25 U U CROTOLUENE 0.25 U U U CROTOLUENE 0.25 U U U ENE 0.25 U U U ENE 0.25 U U U U CROTOLUENE 0.25 U U U U U U CROTOLUENE 0.25 U U U U U U U U U U U U U U U U U U U	0.25 U U	0.25 U U	0.25 U U	0.25 U U
ROTOLUENE 0.25 U U ENE 0.25 U U ENE 0.25 U U ENE 0.25 U U COTOLUENE 0.25 U U U U	0.25 U U	0.25 U U	0.25 U U	0.25 U U
ROTOLUENE 0.25 U U U ENE 0.25 U U U U ENE 0.25 U U U U CENE 0.25 U U U CENE 0.25 U U U CENTOLUENE 0.25 U U U U U CENTOLUENE 0.25 U U U U U CENTOLUENE 0.25 U U U U U U U CENTOLUENE 0.25 U U U U U U U U U U U U U U U U U U U	0.25 U U	0.25 U U	0.25 U U	0.25 U U
ENE 0.25 U U U ENE 3.60 U U U CROTOLUENE 0.25 U U U U U U CROTOLUENE 0.25 U U U U U U CROTOLUENE 0.25 U U U U U U U U U U U U U U U U U U U	0.25 U U	0.25 U U	0.25 U U	0.25 U U
ENE 0.25 U U 3.60 U 0.25 U U 0.25 U U 0.25 U U 0.25 U U U CROTOLUENE 0.50 U U U DI. TETRANIT 10.00 U U 53.00 U U	0.97 J S,*9	9 0.25 U U	0.25 U U	0.25 U U
3.60 U 0.25 U U 0.25 U U 0.25 U U 0.25 U U ROTOLUENE 0.50 U U 0.25 U UJ 0.25 U UJ 0.	0.25 U U	0.25 U U	0.25 U U	0.25 U U
0.25 U U O.25 U U U O.25 U U U U U U U U U	2.80 U *8,+	+ 0.25 U U	1.80 U *8,+	0.25 U U
0.25 U U U O.25 U U U O.25 U U U U U U U U U U	0.25 U U	0.25 U U	0.25 U UJ C	0.25 U UJ C
0.25 U U U CTROTOLUENE 0.50 U U U U U U U U U	0.25 U U	0.25 U U	0.25 U U	0.25 U U
TROTOLUENE 0.50 U U TROTOLUENE 0.25 U UJ OL TETRANIT 10.00 U U 53.00 U	0.25 U U	0.25 U U	0.25 U U	0.25 U U
OI, TETRANIT 10.00 U 53.00 U	0.50 U U	0.50 U U	0.50 U U	0.50 U U
OL TETRANIT 10.00 U U 53.00 II	0.25 U UJ C	0.25 U UJ C	0.25 U UJ C	0.25 U UJ C
53.00, 11	10.00 U	10.00 U	10.00 U	10.00 U UJ Q
0 00.00	320.00 U *8,+	+ 410.00 E U *8,+	5.00 U U	5.00 U U
	_			

OEES Technical Information Systems RGEN Ver 2s

LOCID	WL46D	WL46D	WL46D	WL47D	WL47D
LAB_EPA_NO	AA224	AA225	AA226	AA159	AA160
Date Sampled	1/20/99	1/20/99	1/20/99	1/11/99	1/11/99
Mary marks and	257-257	267-267	277-277	105-105	115-115
Method Analyte	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE
833@N (UGZL)					
OCTAHYDRO-1,3,5,7-TETRANIT	0.25 U U				
HEXAHYDRO-1,3,5-TRINITRO-1,	, 0.25 U U	0.25 U U	0.25 U U	0.25 U U	0.25 U U
1,3,5-TRINITROBENZENE	0.25 U U	0.29 U *8,+	1.20 U *8,+	0.25 U U	0.41 U *8,+
1,3-DINITROBENZENE	0.25 U U				
TETRYL	0.25 U U				
NITROBENZENE	0.25 U U				
2,4,6-TRINITROTOLUENE	0.25 U U				
4-AMINO-2,6-DINITROTOLUENE	3 0.25 U U	0.25 U U	0.25 U U	0.25 U U	0.25 U U
2-AMINO-4,6-DINITROTOLUENE	3 0.25 U U	0.25 U U	0.25 U U	0.25 U U	0.25 U U
2,6-DINITROTOLUENE	0.25 U U				
2,4-DINITROTOLUENE	0.25 U U				
PICRIC ACID	0.95 U *8,+	0.25 U U	1.60 U *8,+	0.25 U U	0.67 U *8,+
2-NITROTOLUENE	0.25 U UJ C	0.25 U UJ C	0.25 U UJ C	0.25 U U	0.25 U U
4-NITROTOLUENE	. 0.25 U U	0.25 U U	0.25 U U	0.25 U U	0.25 U U
3-NITROTOLUENE	0.25 U U				
2,6-DIAMINO-4-NITROTOLUENE	3 0.50 U U	0.50 U U	0.50 U U	0.50 U	0.50 U U
2,4-DIAMINO-6-NITROTOLUENE	E 0.25 U UJ C	0.25 U UJ C	0.25 U UJ C	0.25 U UJ C	0.25 U UJ C
PENTAERYTHRITOL TETRANIT	U 00.001	10.00 U	10.00 U	10.00 U	U 00001
NITROGLYCERIN	5.00 U U	190.00 · U *8,+	5.00 U U	5.00 U	5.00 U U
Groundwater denths are measured in feet helow the water table	feet helow the water table				

Date Sampled 1/1299	125-12 172-99 1712-9	LOCID	WL47D	WL47D	WL47D	WL47D	WL47D
135-135 147.099 171.	10.299 1	•	AA161	AA162	AA163	AA164	AA165
135-153 145-145 145-	135-125 145-145 145-	Ī	1/12/99	1/12/99	1/12/99	1/12/99	1/13/99
Column C	Col. 3.5.7-Tetraant	•	125-125	135-135	145-145	155-155	165-165
CO-1,3,5,7-TETRANIT 0.25 U U 0.25 U </th <th>CO-1,3,5,7-TETRANIT 0.25 U U 0.25 U<!--</th--><th>Method Analyte</th><th>ANALYTICAL LAB REV QUAL RESULT QUALQUAL CODE</th><th>REV</th><th>ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE</th><th>LAB REV QUAL QUAL</th><th>ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE</th></th>	CO-1,3,5,7-TETRANIT 0.25 U U 0.25 U </th <th>Method Analyte</th> <th>ANALYTICAL LAB REV QUAL RESULT QUALQUAL CODE</th> <th>REV</th> <th>ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE</th> <th>LAB REV QUAL QUAL</th> <th>ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE</th>	Method Analyte	ANALYTICAL LAB REV QUAL RESULT QUALQUAL CODE	REV	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE	LAB REV QUAL QUAL	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE
0.25 U U 0.2	0.25 U U 0.25 U 0.25 U U 0.25 U U 0.25 U 0.25 U U 0.25 U 0.25 U U 0.25	8330N (UG/L)					
0.25 U U 0.2	0.25 U U 0.25 U 0.25 U U 0.25 U 0.2	OCTAHYDRO-1,3,5,7-TETRANIT		25 U	D	25 U	0.25 U U
0.25 U U 0.2	0.25 U	HEXAHYDRO-1,3,5-TRINITRO-1,		25 U	D	25 U	0.25 U U
0.25 U U 0.	0.25 U	1,3,5-TRINITROBENZENE		25 U	b	25 U	0.25 U U
0.25 U U 0.25 U 0.25 U U 0.25	0.25 U U 0.25 U 0.25 U U 0.25	1,3-DINITROBENZENE		D	D	25 U	0.25 U U
0.25 U U 0.25 U 0.25 U U 0.25	0.25 U U	TETRYL		25 U	D	25 U	0.25 U U
0.25 U U 0.	0.25 U U 0.25 U 0.25 U U 0.25	NITROBENZENE		25 U	D	25 U	0.25 U U
0.25 U U 0.	0.25 U U 0.	2,4,6-TRINITROTOLUENE		25 U	25 U	25 U	0.25 U U
0.25 U U U 0.25 U U U <t< td=""><td>0.25 U U 0.25 U U 0.</td><td>4-AMINO-2,6-DINITROTOLUENE</td><td>0.25 U</td><td>25</td><td>25 U</td><td>25 U</td><td>0.25 U U</td></t<>	0.25 U U 0.	4-AMINO-2,6-DINITROTOLUENE	0.25 U	25	25 U	25 U	0.25 U U
0.25 U U 0.	0.25 U U 0.	2-AMINO-4,6-DINITROTOLUENE	n	25 U	D	25 U	0.25 U U
0.25 U U 0.	0.25 U U 0.	2,6-DINITROTOLUENE	D	25 U	Þ	25 U	0.25 U U
0.25 U U 0.2	0.25 U U 0.2	2,4-DINITROTOLUENE		25 U	n	25 U	0.25 U U
0.25 U U U 0.25 U U 0.25 U U 0.25 U U	0.25 U U 0.2	PICRIC ACID		25 U	b	25 U	0.25 U U
0.25 U U 0.2	0.25 U U 0.2	2-NITROTOLUENE	D	25 U	þ	25 U	0.25 U U
0.25 U U	0.25 U U 0.25 U U 0.25 U U 0.50 U 0.50 U U 0.50 U	4-NITROTOLUENE		25 U	D	25 U	0.25 U U
5.00 U U C	3.00 U U 0.50 U U 0.50 U U 0.50 U U 0.50 U U U 0.50 U U 0.50 U U U 0.50 U U 0.50 U U U U 0.50 U U U 0.50 U U U 0.50 U U U U 0.50 U	3-NITROTOLUENE	n	25 U	D	25 U	0.25 U U
5.00 U U C 0.25 U UJ C 0.20 U U U 10.00 U U S.00 U U S.00 U U S.00 U U S.00 U U C S.00 U C S	5.00 U U S.00 U U U S.00	2,6-DIAMINO-4-NITROTOLUENE		50 U	n	50	0.50 U U
10.00 U U 10.00 U U 10.00 U U 5.00 U U 5.00 U U 5.00 U	10.00 U U 10.00 U U 10.00 U U 5.00	2,4-DIAMINO-6-NITROTOLUENE	0.25 U (UJ	25 U UJ	U UJ	25 U UJ	0.25 U UJ C
S.00 U U S.00 U U S.00 U U S.00 U U S.00 U	S.00 U U	PENTAERYTHRITOL TETRANIT		n	n	D	10.00 U
		NITROGLYCERIN		D	D	D	5.00 U U

LOCID	WL47D	WL47D	WL47D	WL47D	WL47D
LAB EPA NO	AA166	AA167	AA168	AA169	AA170
	1/13/99	1/13/99	1/13/99	1/13/99	1/14/99
Depth	175-175	185-185	195-195	205-205	215-215
Method Analyte	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE
8330N (UGL)					
OCTAHYDRO-1,3,5,7-TETRANIT	0.25 U U	0.25 U U	0.25 U U	0.25 U U	0.25 U U
HEXAHYDRO-1,3,5-TRINITRO-1,	0.25 U U	0.25 U U	0.25 U U	0.25 U U	0.25 U U
1,3,5-TRINITROBENZENE	0.25 U U	0.25 U U	0.25 U U	0.25 U U	0.25 U U
1,3-DINITROBENZENE	0.25 U U	0.25 U U	0.25 U U	0.25 U U	0.25 U U
TETRYL	0.25 U U	0.25 U U	0.25 U U	0.25 U U	0.25 U U
NITROBENZENE	0.25 U U	0.25 U U	0.25 U U	0.25 U U	0.25 U U
2,4,6-TRINITROTOLUENE	0.25 U U	0.25 U U	0.25 U U	0.25 U U	0.25 U U
4-AMINO-2,6-DINITROTOLUENE	0.25 U U	0.25 U U	0.25 U U	0.25 U U	0.25 U U
2-AMINO-4,6-DINITROTOLUENE	0.25 U U	0.25 U U	0.25 U U	0.25 U U	0.25 U U
2,6-DINITROTOLUENE	0.25 U U	0.25 U U	0.25 U U	0.25 U U	0.25 U U
2,4-DINITROTOLUENE	0.25 U U	0.25 U U	0.25 U U	0.25 U U	0.25 U U
PICRIC ACID	0.25 U U	0.25 U U	0.25 U U	0.25 U U	0.25 U U
2-NITROTOLUENE	0.25 U U	0.25 U U	0.25 U U	0.25 U U	0.25 U U
4-NITROTOLUENE	. 0.25 U U	0.25 U U	0.25 U U	0.25 U U	0.25 U U
3-NITROTOLUENE	0.25 U U	0.25 U U	0.25 U U	0.25 U U	0.25 U U
2,6-DIAMINO-4-NITROTOLUENE	0.50 U U	0.50 U U	0.50 U U	0.50 U U	0.50 U
2,4-DIAMINO-6-NITROTOLUENE	0.25 U UJ C	0.25 U UJ C	0.25 U UJ C	0.25 U UJ C	0.25 U UJ C
PENTAERYTHRITOL TETRANIT	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U
NITROGLYCERIN	5.00 U U	5.00 U · U	5.00 U U	5.00 U U	5.00 U U
Groundwater depths are measured in feet below the water table.	eet below the water table.				

VALIDATED MMR LABORATORY DATA GROUP A, EXPLOSIVES RESULTS 1999

T COCID	WL47D	WI,52D	WL52D	WL52D	WL52D	
DA NO	AA171	AA016	AA019	AA020	AA021	
	1/14/99	1/8/99	1/11/99	1/11/99	1/12/99	
•	225-225	170-175	200-205	210-215	220-225	
Method Analyte	ANALYTICAL LAB REV QUAL RESULT QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE	QUAL
8330N (UGL)						
OCTAHYDRO-1,3,5,7-TETRANIT	0.25 U U	0.25 U	0.25 U U	0.25 U U	Þ	
HEXAHYDRO-1,3,5-TRINITRO-1,	0.25 U U	0.25 U U	0.25 U U	0.25 U U	0.25 U U	
1.3.5-TRINITROBENZENE	0.25 U U	0.25 U U	0.25 U U	0.25 U U	2.40 U	* * *
1.3-DINITROBENZENE	0.25 U U	0.25 U U	0.25 U U	0.25 U U	0.25 U U	
TETRYL	0.25 U U	0.25 U U	0.25 U U	0.25 U U	0.25 U U	
NITROBENZENE	0.25 U U	0.25 U U	0.25 U U	0.25 U U	0.25 U U	
2.4.6-TRINITROTOLUENE	0.25 U U	0.25 U U	0.25 U U	0.25 U U	0.25 U U	
4-AMINO-2.6-DINITIROTOLUENE	0.25 U U	0.25 U U	0.25 U U	0.25 U U	0.25 U U	
2-AMINO-4 6-DINITIROTOLUENE		0.25 U U	0.25 U U	0.25 U U	0.25 U U	
2.6-DINITROTOLUENE	0.25 U U	0.25 U U	0.25 U U	0.25 U U	0.25 U U	
2,4-DINITROTOLUENE	0.25 U U	0.25 U U	0.25 U U	0.25 U U	0.25 U U	
PICRIC ACID	0.25 U U	0.33 U *8,+	0.25 U U	0.25 U U	0.32 U	+,0*
2-NITROTOLUENE	0.25 U U	0.25 U U	0.25 U U	0.25 U U	0.25 U U	
4-NITROTOLUENE	0.25 U U	0.25 U U	0.25 U U	0.25 U U	0.25 U U	
3-NITROTOLUENE	0.25 U U	0.25 U U	0.25 U U	0.25 U U	0.25 U U	
2,6-DIAMINO-4-NITROTOLUENE	0.50 U U	0.50 U U	U U 0.50	0.50 U	0.50 U U	
2,4-DIAMINO-6-NITROTOLUENE	0.25 U UJ C	0.25 U UJ C	0.25 U UJ C	0.25 U UJ C	0.25 U UJ	၁
PENTAERYTHRITOL TETRANIT	10.00 U	U 00.001	10.00 U	10.00 U	10.00 U	
NITROGLYCERIN	5.00 U U	5.00 U U	5.00 U U	5.00 U U	S.00 U U	

Groundwater depths are measured in feet below the water table.

OEES Technical Information Systems RGEN Vet 2s

PANO	V CED	WL52D	WL52D	WL52D V	WL52D	WL52D
Authority Auth		AA022	AA023		AA025	AA026
Color Colo		1/12/99	1/12/99		/14/99	1/20/99
CHACATA CASASTATION COLUMN	4	230-235	240-245		160-265	270-275
Color Colo	Method Analyte	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE	LAB REV QUAL QUAL	LAB REV QUAL QUAL	LAB REV QUAL QUAL	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE
0.25 U U 0.25 U U S 0.25 U U C 0.25 U U U U U U U U U U	8330N (UG/L)					
0.25 U U 0.25 U U 8.40 U *8.4 0.25 U U 0.25 U U 0.25 U U 0.25 U U 0.25 U U 0.25 U U 0.25 U U S 0.25 U U 0.25 U U 0.25 U U 0.25 U U S 0.25 U U 0.25 U U 0.25 U U 0.25 U U S 0.25 U U 0.25 U U 0.25 U U 0.25 U U S 0.25 U U 0.25 U U 0.25 U U 0.25 U U S 0.25 U U 0.25 U U 0.25 U U 0.25 U U 0.25 U U 0.25 U U 0.25 U U 0.25 U U 0.25 U U 0.25 U U 0.25 U U 0.25 U U 0.25 U U 0.25 U U <t< td=""><td>OCTAHYDRO-1,3,5,7-TETRANIT</td><td>n</td><td>n</td><td>u u</td><td>n</td><td>þ</td></t<>	OCTAHYDRO-1,3,5,7-TETRANIT	n	n	u u	n	þ
0.25 U U 0.58 U S,*8,+ 8.40 U *8,+ 0.25 U U 0.25 U U 0.25 U U S 0.25 U U 0.25 U U 0.25 U U 0.25 U U S 0.25 U U 0.25 U U 0.25 U U 0.25 U U S 0.25 U U 0.25 U U 0.25 U U 0.25 U U S 0.25 U U 0.25 U U 0.25 U U 0.25 U U S 0.25 U U 0.25 U U 0.25 U U 0.25 U U S 0.25 U U 0.25 U U 0.25 U U 0.25 U U S 0.25 U U 0.25 U U 0.25 U U 0.25 U U S 0.25 U U 0.25 U U 0.25 U U 0.25 U U S 0.25	HEXAHYDRO-1,3,5-TRINITRO-1,	n	D	U UJ		n
0.25 U U 0.25 U U S 0.25 U U 0	1,3,5-TRINITROBENZENE	n	n	UJ S,	n	D
0.25 U U 0.	1,3-DINITROBENZENE	n	D	U UJ	ח	n
8.+ 0.25 U U 0.25 U	TETRYL	D	n	U UJ	þ	ח
8,+ 0.25 U U 8 0.25 U U 0.25	NITROBENZENE	n	D	U UJ	n	D
8,+ 0.25 U U C 0.25 U U S 0.25 U U 0.25	2,4,6-TRINITROTOLUENE	D	n	U UJ	D	b
8,+ 0.25 U U 0.25 U UJ S 0.25 U U 0.25	4-AMINO-2,6-DINITROTOLUENE	0.25 U	D	U UJ	n	D
8,+ 0.25 U U 0.25 U U S 0.25 U U S 0.25 U U 0.25 U 0.25 U	2-AMINO-4,6-DINITROTOLUENE	0.25 U	ח	U UJ	n	ח
8,+ 0.25 U U 0.25 U U 8 0.25 U U 0.25 U 0.25 U 0	2,6-DINITROTOLUENE	D	n	U UJ	ח	þ
8,+ 0.25 U U 0 0.25 U U	2,4-DINITROTOLUENE	b	D	U UJ	n	þ
0.25 U U 0.25 U U S 0.25 U U 0	PICRIC ACID	D	D	U UJ	þ	Þ
0.25 U U 0.25 U U S 0.25 U U S 0.25 U U S 0.25 U U 0.25 U 0.25 U U 0.25 U U 0.25 U	2-NITROTOLUENE	n	D	U UJ	þ	U UJ
0.25 U U 0.25 U U 0.25 U U S 0.25 U U S 0.00 U U 0.25 U U 0.00 U U S 0.00 U U 0.25 U 0.25 U	4-NITROTOLUENE	D	D	U UJ	n	D
0.50 U U C 0.25 U UJ C 0.25 U UJ C,S 0.25 U UJ C 0.25 U UJ C 0.25 U UJ S 10.00 U U S 10.00 U U UJ S 10.00 U U UJ S 5.00 U U UJ S 5.00 U U UJ S 5.00 UJ S 5.00 U UJ S 5.00 U UJ S 5.00 UJ S	3-NITROTOLUENE	n	n	U UJ	D	D
5.00 U U C,S U U C 0.25 U U U S 10.00 U U S 10.00 U U S 5.00 U U S 5.00 U U U S 5.00 U U U U U U U S 5.00 U U U U U U U U U U U U U U U U U U	2,6-DIAMINO-4-NITROTOLUENE	0.50 U	n	U UJ	n	D
10.00 U U S 10.00 U U 10.00 U U S 5.00 U U U S 5.00 U U U S 5.00 U U U U U U S 5.00 U U U U U U U U U U U U U U U U U U	2,4-DIAMINO-6-NITROTOLUENE	0.25 U UJ	U UJ	U UJ	U UJ	U UJ
5.00 U · U S S.00 U U S.00 U U S.00 U	PENTAERYTHRITOL TETRANIT			U UJ	n	n
	NITROGLYCERIN			U UJ	n	

VALIDATED MMR LABORATORY DATA

GROUP A, EXPLOSIVES RESULTS 1999

AAO27 AAO2	AA043 1/11/99 140-145 L ANALYTICAL LAB REV QUAL CODE 0.25 U U 0.25 U U	AA044 1/11/99 150-155 ANALYTICAL LAB REV QUAL RESULT 0.25 U U 0.25 U U
1/20/99 1/20/99 1/20/99 1/20/99 1/20/99 1/20/99 1/20/99 1/20/99 1/20/99 1/20/99 1/20/255 130-135 130	1/11/99 140-145 140-145 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.2	150-155 150-155 analytical Lab Rev Qual Result Code 0.25 U U
130-135 130-	140-145 RESULT 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25	150-155 ANALYTICAL LAB REV QUAL RESULT QUAL CODE 0.25 U U
ANALYTICAL LAB REV QUAL RESULT QUAL GODE RESULT QUAL QUAL QUAL CODE CODE U U CO.25 U U U	ANALYTICAL RESULT 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25	ANALYTICAL LAB REV QUAL CODE 0.25 U U
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0.25 U U 0.25 U U 0.25 U U 0.25 U U 0.25 U U 0.25 U U 0.25 U U 0.25 U U 0.25 U U 0.25 U U 0.25 U U 0.25 U U 0.20 U U 0.20 U U 0.25 U U 0.25 U U 0.25 U U 0.25 U U 0.25 U U 0.25 U U 0.25 U U 10.00 U U 0.25 U U 0.25 U U 5.00 U U 5.00 U U 5.00 U U U	חח	<u> </u>
0.25 U U </td <td>D</td> <td>0.25 U U</td>	D	0.25 U U
0.25 U UJ C 0.25 U U C 0.25 U U 0.25 U U 0.25 U U 0.25 U U 0.25 U U 0.50 U U 0.50 U U 0.50 U U 0.50 U U 0.25 U UJ C 0.25 U U U U U U 0.50 U U 10.00 U U 10.00 U U 5.00 U U 5.00 U U U V U		0.25 U U
0.25 U U	0.25 U U	0.25 U U
0.25 U U 0.25 U U 0.50 U U U 0.50 U U U 0.50 U U U U 0.50 U U U U U 0.25 U U	0.25 U U	0.25 U U
0.50 U U 0.50 U U 0.50 U U 0.50 U U	0.25 U U	0.25 U U
0.25 U UJ C 0.25 U UJ C 0.25 U UJ 10.00 U U 10.00 U U 10.00 U U 5.00 U U 5.00 U U	0.50 U U	0.50 U U
10.00 U U 10.00 U U 10.00 U U 5.00 U U 5.00 U	0.25 U UJ C	0.25 U UJ C
U 5.00 U 5.00 U	10.00 U	10.00 U
	S.00 U	5.00 U

Groundwater depths are measured in feet below the water table.

VALIDATED MMR LABORATORY DATA GROUP A, EXPLOSIVES RESULTS 1999

LAB_EPA_NO AA045 Date Sampled 1/11/99 Depth 160-165 Method ANALYTHANA	1/99 -165 -165 -18 REV QUAL RESULT QUAL QUAL	AA046 1/12/99	AA047 1/12/99	AA048 1/12/99	AA049
ampled 1/1 d (UGL) AHYDRO-1,3,5,7-TETRANIT AHYDRO-1,3,5-TRINITRO-1, -TRINITROBENZENE		1/12/99	1/12/99	1/12/99	1/13/99
### 160 160 (UG/L) AHYDRO-1,3,5,7-TETRANIT AHYDRO-1,3,5-TRINITRO-1, -TRINITROBENZENE					1117177
e AVG/L) HYDRO-1,3,5,7-TETRANIT AHYDRO-1,3,5-TRINITRO-1,	CAL LAB REV QUAL T QUAL QUAL CODE	170-175	180-185	190-195	200-205
RO-1,3,5,7-TETRANIT RO-1,3,5-TRINITRO-1,		ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE
·	0.25 U U	0.25 U U	0.25 U U	0.25 U U	0.25 U U
_	0.25 U U	0.25 U U	0.25 U U	0.25 U U	0.25 U U
	0.25 U U	0.25 U U	0.25 U U	0.51 U *8,+	0.25 U U
1,3-DINITROBENZENE	0.25 U U	0.25 U U	0.25 U U	0.25 U U	0.25 U U
TETRYL	0.25 U U	0.25 U U	0.25 U U	0.25 U U	0.25 U U
	0.25 U U	0.25 U U	0.25 U U	0.25 U U	0.25 U U
2,4,6-TRINITROTOLUENE	0.25 U U	0.25 U U	0.25 U U	0.25 U U	0.25 U U
4-AMINO-2,6-DINITROTOLUENE	0.25 U U	0.25 U U	0.25 U U	0.25 U U	0.25 U U
2-AMINO-4,6-DINITROTOLUENE 0	0.25 U U	0.25 U U	0.25 U U	0.25 U U	0.25 U U
2,6-DINITROTOLUENE	0.25 U U	0.25 U U	0.25 U U	0.25 U U	0.25 U U
2,4-DINITROTOLUENE	0.25 U U	0.25 U U	0.25 U U	0.25 U U	0.25 U U
PICRIC ACID 0	0.25 U U	0.25 U U	0.25 U U	0.25 U U	0.25 U U
2-NITROTOLUENE 0	0.25 U U	0.25 U U	0.25 U U	0.25 U U	0.25 U U
4-NITROTOLUENE 0	0.25 U U	0.25 U U	0.25 U U	0.25 U U	0.25 U U
3-NITROTOLUENE 0	0.25 U U	0.25 U U	0.25 U U	0.25 U U	0.25 U U
2,6-DIAMINO-4-NITROTOLUENE 0	0.50 U U	0.50 U U	0.50 U U	0.50 U U	0.50 U
2,4-DIAMINO-6-NITROTOLUENE	0.25 U UJ C	0.25 U UJ C	0.25 U UJ C	0.25 U UJ C	0.25 U UJ C
PENTAERYTHRITOL TETRANIT 10	10.00 U	10.00 U	10.00 U	10.00 U	. 10.00 U
NITROGLYCERIN	5.00 U U	5.00 U· U	5.00 U U	5.00 U U	5.00 U U

Groundwater depths are measured in feet below the water table.

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VALIDATED MMR LABORATORY DATA GROUP A, EXPLOSIVES RESULTS 1999

CIDOCID	WL53D	WL53D	WL53D	WL53D	WL53D
LAB EPA NO	AA050	AA051	AA052	AA053	AA054
Date Sampled	1/13/99	1/13/99	1/14/99	1/14/99	1/19/99
Depth	210-215	220-225	230-235	240-245	250-255
Method Analyte	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE
8330N (UGA)					
OCTAHYDRO-1,3,5,7-TETRANIT	r 0.25 U U	0.25 U U	0.25 U U	0.25 U U	0.25 U U
HEXAHYDRO-1,3,5-TRINITRO-1	, 0.25 U U	0.25 U U	0.25 U U	0.25 U U	0.25 U U
1,3,5-TRINITROBENZENE	0.25 U U	0.34 U *8,+	0.25 U U	0.25 U U	0.25 U U
1,3-DINITROBENZENE	0.25 U U				
TETRYL	0.25 U U	0.25 U U	0.25 U U	0.25 U U	0.25 U U
NITROBENZENE	0.25 U U	0.25 U U	0.25 U U	0.25 U U	0.25 U U
2,4,6-TRINITROTOLUENE	0.25 U U				
4-AMINO-2,6-DINITROTOLUENE	E 0.25 U U	0.25 U U	0.25 U U	0.25 U U	0.25 U U
2-AMINO-4,6-DINITROTOLUENE	E 0.25 U U	0.25 U U	0.25 U U	0.25 U U	0.25 U U
2,6-DINITROTOLUENE	0.25 U U				
2,4-DINITROTOLUENE	0.25 U U	0.25 U U	0.25 U U	0.25 U U	0.25 U U
PICRIC ACID	0.25 U U				
2-NITROTOLUENE	0.25 U U				
4-NITROTOLUENE	0.25 U U				
3-NITROTOLUENE	0.25 U U				
2,6-DIAMINO-4-NITROTOLUENE	3 0.50 U U	0.50 U U	0.50 U U	0.50 U U	0.50 U
2,4-DIAMINO-6-NITROTOLUENE	E 0.25 U UJ C	0.25 U UJ C	0.25 U UJ C	0.25 U UJ C	0.25 U UJ C
PENTAER YTHRITOL TETRANIT	U 00:00 U	10.00 U	10.00 U	10.00 U	10.00 U
NITROGLYCERIN	5.00 U U	5.00 U U	5.00 U U	5.00 U U	5.00 U
Groundwater depth values are measured in feet below the water table	ed in feet below the water tabl				

Ogden Environmental and Energy Services

OEES Technical Information Systems RGEN Ver. 21

Groundwater depth values are measured in feet below the water table

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Locid	WL53D	WL53D	WL53D	WL53D	90WT0019
LAB EPA NO	AA266	AA055	AA056	AA057	AA307
Date Sampled	1/19/99	1/19/99	1/19/99	1/20/99	1/20/99
	250-255	260-265	270-275	280-285	94-104
Method Analyte	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE
8330N (UGL)					
OCTAHYDRO-1,3,5,7-TETRANIT	0.25 U U	0.25 U U	0.25 U U	0.25 U U	0.25 U U
HEXAHYDRO-1,3,5-TRINITRO-1,	, 0.25 U U	0.25 U U	0.25 U U	0.25 U U	0.31 U *8,+
1,3,5-TRINITROBENZENE	0.25 U U	0.25 U U	0.25 U U	0.25 U U	0.25 U U
1,3-DINITROBENZENE	0.25 U U	0.25 U U	0.25 U U	0.25 U U	0.42 U *8,+
TETRYL	0.25 U U	0.25 U U	0.25 U U	0.25 U U	0.25 U U
NITROBENZENE	0.25 U U	0.25 U U	0.25 U U	0.25 U U	0.25 U U
2,4,6-TRINITROTOLUENE	0.25 U U	0.25 U U	0.25 U U	0.25 U U	0.25 U U
4-AMINO-2,6-DINITROTOLUENE	0.25 U U	0.25 U U	0.25 U U	0.25 U U	82.00 E U *8,+
2-AMINO-4,6-DINITROTOLUENE	0.25 U U	0.25 U U	0.25 U U	0.25 U U	0.25 U U
2,6-DINITROTOLUENE	0.25 U U	0.25 U U	0.25 U U	0.25 U U	0.25 U U
2,4-DINITROTOLUENE	0.25 U U	0.25 U U	0.25 U U	0.25 U U	1.40 U *8,+
PICRIC ACID	0.25 U U	0.25 U U	0.25 U U	0.25 U U	0.38 U *8,+
2-NITROTOLUENE	0.25 U U	0.25 U U	0.25 U U	0.25 U UJ C	0.25 U UJ C
4-NITROTOLUENE	0.25 U U	0.25 U U	0.25 U U	0.25 U U	0.25 U U
3-NITROTOLUENE	0.25 U U	0.25 U U	0.25 U U	0.25 U U	12.00 U *8,+
2,6-DIAMINO-4-NITROTOLUENE	0.50 U	0.50 U U	0.50 U	0.50 U U	0.50 U U
2,4-DIAMINO-6-NITROTOLUENE	g 0.25 U UJ C	0.25 U UJ C	0.25 U UJ C	0.25 U UJ C	0.25 U UJ C
PENTAERYTHRITOL TETRANIT	U 00.00 U	10.00 U	10.00 U	10.00 U	1400.00 E U *8,+
NITROGLYCERIN	5.00 U U	5.00 U U	5.00 U U	5.00 U U	5.00 U U
					Asjeme
Groundwater depths are measured in feet below the water table	feet below the water table.				





VALIDATED MMR LABORATORY DATA

GROUP B, VOLATILES RESULTS 1999

				T																		nz	Ver. '	CEN	Я апта	Syste	подел	moînl	ıncsı	Тесћ	DEEZ
				LAB REV QUAL QUAL QUAL QUAL CODE		u u	u u	מ	n n	U U	n n	U U	מם	U U	U U	n n	ממ	n n	n n	n n	U U	n n	n n	U U	n n	n n	n n	U U	n n	U U	
rieldac	AA148	1/12/99	0-0	ANALYTICAL I RESULT		1.00	1.00	1.00	1.00	1.00	5.00	1.00	2.00	1.00	1.00	1.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	5.00	1.00	1.00	
				LAB REV QUAL QUAL QUAL QUAL CODE		u u	u u	n n	U U	n n	n n	n n	u u	U U	n n	n n	n n	n n	n n	n n	u u	u u	n n	u u	n n	n n	u u	n n	u u	u u	
riccio	AA147	1/11/99	0-0	ANALYTICAL L RESULT		1.00	1.00	1.00	1.00	1.00	5.00	1.00	2.00	1.00	1.00 1	1.00 1	5.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00 1	1.00	5.00	1.00	1.00 1	
				LAB REV QUAL QUAL QUAL QUAL CODE		J U	J U	J U	J U	J U	ח	J U	J U	J U	J U	מם	D L	J U	J C	J U	J U	J U	J U	J U	J U	J U	J U	J U	J U	J U	
2	AA146	1/8/99	0-0	ANALYTICAL LA		1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.00 U	1.00 U	1.00 U	1.00 [5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.00	1.00 U	1.00 U	
	1			REV QUAL QUAL CODE		n	n n	n	n	n	D	n	- D	n	n	Ω	D	D	n	n	n	n	n	n	n	n	n	D	n	n	
	AA145	1/8/99	0-0	ANALYTICAL LAB RESULT QUAL		1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	
	K.		0	REV QUAL		n n	n	ח	ם	n	n	n	ח	n	n	ם	ח	D	ח	D	D	n	n	n	n	D	ם	n	n	D	
	AA134	1/8/99	0-0	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE		1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	
4			-0		7)	CHLOROMETHANE	TORIDE	BROMOMETHANE	ETHANE	1,1-DICHLOROETHENE	[1]	CARBON DISULFIDE	METHYLENE CHLORIDE	TRANS-1,2-DICHLOROETHENE	1,1-DICHLOROETHANE	CIS-1,2-DICHLOROETHYLENE	METHYL ETHYL KETONE (2-BU	BROMOCHLOROMETHANE	FORM	1,1,1-TRICHLOROETHANE	CARBON TETRACHLORIDE	f=3	1,2-DICHLOROETHANE	TRICHLOROETHYLENE (TCE)	1,2-DICHLOROPROPANE	BROMODICHLOROMETHANE	CIS-1,3-DICHLOROPROPENE	METHYL ISOBUTYL KETONE (4		TRANS-1,3-DICHLOROPROPEN	
LOCID	LAB_EPA_NO	Date Sampled	Depth	Method Analyte	OC21V (UG/L)	CHLORO	VINYL CHLORIDE	BROMON	CHLOROETHANE	1,1-DICHI	ACETONE	CARBON	METHYLI	TRANS-1,	1,1-DICHI	CIS-1,2-DI	METHYL	BROMOC	CHLOROFORM	1,1,1-TRIC	CARBON	BENZENE	1,2-DICHI	TRICHLO	1,2-DICHI	BROMOD	CIS-1,3-DI	METHYL	TOLUENE	TRANS-1,	

VALIDATED MMR LABORATORY DATA GROUP B, VOLATILES RESULTS 1999

LOCID	FIELDQC	והרותה	1 mercy	FIELDAC	FIELDQC
LAB EPA NO	AA134	AA145	AA146	AA147	AA148
Date Sampled	1/8/99	1/8/99	1/8/99	1/11/99	1/12/99
Depth	0-0	0-0	0-0	0-0	0-0
Method Analyte	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE
OC21V (UG/L) Continued					
1,1,2-TRICHLOROETHANE	1.00 U				
TETRACHLOROETHYLENE(PCE	E 1.00 U U	U 00 U	1.00 U	1.00 U	1.00 U
2-HEXANONE	5.00 U U				
DIBROMOCHLOROMETHANE	1.00 U				
1,2-DIBROMOETHANE (ETHYLE	E 1.00 U U	1.00 U U	1.00 U	1.00 U	U D 00.1
CHLOROBENZENE	1.00 U U	1.00 U U	1.00 U	1.00 U	1.00 U
ETHYLBENZENE	U.00 U	1.00 U	1.00 U U	1.00 U	1.00 U
XYLENES, TOTAL	1.00 U				
STYRENE	1.00 U				
BROMOFORM	1.00 U U	1.00 U	1.00 U U	1.00 U	1.00 U
1,1,2,2-TETRACHLOROETHANE	1.00 U	1.00 U	1.00 U	1.00 U U	1.00 U
1,3-DICHLOROBENZENE	1.00 U	1.00 U	1.00 U	1.00 U U	1.00 U U
1,4-DICHLOROBENZENE	1.00 U	1.00 U	1.00 U	1.00 U U	1.00 U
1,2-DICHLOROBENZENE	1.00 U				
1,2-DIBROMO-3-CHLOROPROP	1.00 U				
1,2,4-TRICHLOROBENZENE	1.00 U	1.00 U	1.00 U	1.00 U U	1.00 U
VINYL ACETATE	1.00 U	1.00 U U	1.00 U U	1.00 U U	1.00 U
DIBROMOMETHANE	1.00 U	1.00 U U	1.00 U U	1.00 U U	1.00 U
2-CHLOROETHYL VINYL ETHE	1.00 U				

VALIDATED MMR LABORATORY DATA

GROUP B, VOLATILES RESULTS 1999

LOCID	FELDQC	FELDQC	FIELDQC	FELDQC	FELDQC
LAB EPA NO	AA155	AA158	AA191	AA192	AA193
Date Sampled	1/11/99	1/11/99	1/12/99	1/12/99	1/12/99
Depth	0-0	0-0	0-0	0-0	0-0
Method Analyte	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE
OC21V (UG/L)					
CHLOROMETHANE	1.00 U	1.00 U	1.00 U U	1.00 U	1.00 U
VINYL CHLORIDE	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
BROMOMETHANE	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
CHLOROETHANE	1.00 U	1.00 U U	1.00 U U	1.00 U	1.00 U
1,1-DICHLOROETHENE	1.00 U	1.00 U	1.00 U U	1.00 U U	1.00 U
ACETONE	5.00 U U	5.00 U U	5.00 U U	5.00 U U	5.00 U U
CARBON DISULFIDE	1.00 U U	1.00 U U	1.00 U	1.00 U U	1.00 U
METHYLENE CHLORIDE	2.00 U U	2.00 U U	2.00 U U	2.00 U U	2.00 U U
TRANS-1,2-DICHLOROETHENE	1.00 U U	1.00 U U	U 00 U	1.00 U	1.00 U
1,1-DICHLOROETHANE	1.00 U U	1.00 U U	U 00 U	1.00 U	1.00 U
CIS-1,2-DICHLOROETHYLENE	1.00 U U	1.00 U U	1.00 U	1.00 U	1.00 U
METHYL ETHYL KETONE (2-BU	5.00 U U	5.00 U U	5.00 U U	5.00 U U	5.00 U
BROMOCHLOROMETHANE	1.00 U U	1.00 U U	1.00 U	1.00 U	1.00 U
CHLOROFORM	1.00 U U	1.00 U U	1.00 U	1.00 U	1.00 U
1,1,1-TRICHLOROETHANE	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
CARBON TETRACHLORIDE	1.00 U U	1.00 U U	1.00 U	1.00 U	1.00 U
BENZENE	U 00 U	1.00 U U	1.00 U	1.00 U	1.00 U
1,2-DICHLOROETHANE	1.00 U	1.00 U U	1.00 U	1.00 U	1.00 U
TRICHLOROETHYLENE (TCE)	1.00 U	1.00 U	1.00 U U	1.00 U	1.00 U
1,2-DICHLOROPROPANE	1.00 U	1.00 U U	1.00 U	1.00 U	1.00 U
BROMODICHLOROMETHANE	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
CIS-1,3-DICHLOROPROPENE	1.00 U U	1.00 U	1.00 U	1.00 U	1.00 U
METHYL ISOBUTYL KETONE (4	S.00 U U	5.00 U U	5.00 U U	5.00 U U	5.00 U U
TOLUENE	1.00 U	1.00 U	U 00 U	1.00 U U	1.00 U
TRANS-1,3-DICHLOROPROPEN	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U

Groundwater depth values are measured in feet below the water table

VALIDATED MMR LABORATORY DATA GROUP B, VOLATILES RESULTS 1999

FIELDQC	FIELDQC	FIELDQC	FIELDQC	I ILLING
AA155	AA158	AA191	AA192	AA193
1/11/99	1/11/99	1/12/99	1/12/99	1/12/99
0-0	0-0	0-0	0-0	0-0
ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE
-				
1.00 U U	1.00 U U	1.00 U	1.00 U	1.00 U
TETRACHLOROETHYLENE(PCE 1.00 U U	1.00 U	1.00 U	1.00 U	1.00 U
5.00 U U	5.00 U U	5.00 U U	5.00 U U	5.00 U U
DIBROMOCHLOROMETHANE 1.00 U U	1.00 U	1.00 U	1.00 U	1.00 U
2-DIBROMOETHANE (ETHYLE 1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
1.00 U U	1.00 U	1.00 U	1.00 U	1.00 U
1.00 U U	1.00 U	1.00 U	1.00 U	U U 00.1
1.00 U U	1.00 U U	1.00 U	1.00 U	1.00 U
1.00 U U	1.00 U	1.00 U	1.00 U	1.00 U U
1.00 U	1.00 U U	1.00 U	1.00 U	1.00 U
1,1,2,2-TETRACHLOROETHANE 1.00 U U	1.00 U	1.00 U	1.00 U	1.00 U
1.00 U U	1.00 U	1.00 U	1.00 U	1.00 U U
1.00 U U	1.00 U U	1.00 U U	1.00 U	1.00 U U
1.00 U U	1.00 U	1.00 U	1.00 U	1.00 U
2-DIBROMO-3-CHLOROPROP 1.00 U U	1.00 U U	1.00 U	1.00 U	1.00 U
1.00 U U	1.00 U U	1.00 U	1.00 U	1.00 U
1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
1.00 U U	1.00 U U	1.00 U	1.00 U	1.00 U
2-CHLOROETHYL VINYL ETHE 1.00 U U	1.00 U	1.00 U	1.00 U	1.00 U

VALIDATED MMR LABORATORY DATA

GROUP B, VOLATILES RESULTS 1999

																						nz	Ver.	CEN	Я вто	1 Syste	roden	moînl	nest	SS Tech
				LAB REV QUAL QUAL QUAL QUAL		D	D	D	D	D	D	ח	n	D	D	D	D	D	n	n	D	n	n	D	D	n	D	n	D	D
FIELDQC	AA248	1/14/99	0-0	ANALYTICAL LA RESULT QU		1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
FELDQC	AA215	1/13/99	0-0	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE		1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U U	1.00 U U	2.00 U U	1.00 U	1.00 U	1.00 U	5.00 U U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U U	1.00 U	5.00 U U	1.00 U	1.00 U U
FIELDQC	AA202	1/13/99	0-0	ANALYTICAL LAB REV QUAL RESULT QUAL CODE		1.00 U	1.00 U U	1.00 U	1.00 U	1.00 U	5.00 U U	1.00 U U	2.00 U U	1.00 U	U U 00.1	1.00 U	5.00 U U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U U	1.00 U	1.00 U	1.00 U	5.00 U U	1.00 U	1.00 U
FELDQC	AA201	1/13/99	0-0	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE		1.00 U U	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U U	1.00 U	2.00 U U	1.00 U	1.00 U	1.00 U	5.00 U U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U U	1.00 U	1.00 U
FELDQC	AA200	1/13/99	0-0	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE		1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U U	1.00 U	2.00 U U	1.00 U	1.00 U U	1.00 U	5.00 U U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U U	1.00 U	1.00 U
Tocm	LAB EPA NO	Date Sampled	Depth	Method Analyte	OC21V (UGAL)	CHLOROMETHANE	VINYL CHLORIDE	BROMOMETHANE	CHLOROETHANE	1,1-DICHLOROETHENE	ACETONE	CARBON DISULFIDE	METHYLENE CHLORIDE	TRANS-1,2-DICHLOROETHENE	1,1-DICHLOROETHANE	CIS-1,2-DICHLOROETHYLENE	METHYL ETHYL KETONE (2-BU	BROMOCHLOROMETHANE	CHLOROFORM	1,1,1-TRICHLOROETHANE	CARBON TETRACHLORIDE	BENZENE	1,2-DICHLOROETHANE	TRICHLOROETHYLENE (TCE)	1,2-DICHLOROPROPANE	BROMODICHLOROMETHANE	CIS-1,3-DICHLOROPROPENE	METHYL ISOBUTYL KETONE (4	TOLUENE	TRANS-1,3-DICHLOROPROPEN

Groundwater depth values are measured in feet below the water table

VALIDATED MMR LABORATORY DATA GROUP B, VOLATILES RESULTS 1999

i ji	FIELDQC	FIELDQC	FELDQC	FIELDQC	FELDQC
AB EPA NO	AA200	AA201	AA202	AA215	AA248
	1/13/99	1/13/99	1/13/99	1/13/99	1/14/99
	0-0	0-0	0-0	0-0	0-0
lethod Analyte	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL QUAL QUAL
C21V (UG/L) Continued					
1,1,2-TRICHLOROETHANE	1.00 U	1.00 U		\supset	
TETRACHLOROETHYLENE(PCE	1.00 U U	1.00 U	1.00 U	1.00 U	1.00 U
2-HEXANONE	5.00 U U	5.00 U U	5.00 U	5.00 U U	5.00 U U
DIBROMOCHLOROMETHANE	1.00 U U	1.00 U	1.00 U	1.00 U	1.00 U U
1,2-DIBROMOETHANE (ETHYLE	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
CHLOROBENZENE	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
ETHYLBENZENE	1.00 U U	1.00 U	1.00 U	1.00 U U	1.00 U
XYLENES, TOTAL	1.00 U U	1.00 U U	1.00 U	1.00 U U	1.00 U
STYRENE	1.00 U	1.00 U U	1.00 U	1.00 U U	1.00 U
BROMOFORM	1.00 U U	1.00 U U	1.00 U	1.00 U	1.00 U
1,1,2,2-TETRACHLOROETHANE	1.00 U U	1.00 U U	1.00 U U	1.00 U	1.00 U
1,3-DICHLOROBENZENE	1.00 U U	1.00 U	1.00 U	1.00 U	1.00 U
1,4-DICHLOROBENZENE	1.00 U U	1.00 U U	1.00 U	1.00 U	1.00 U
1,2-DICHLOROBENZENE	1.00 U U	1.00 U	1.00 U	1.00 U	1.00 U
1,2-DIBROMO-3-CHLOROPROP	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
1,2,4-TRICHLOROBENZENE	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
VINYL ACETATE	1.00 U U	1.00 U U	1.00 U U	1.00 U	1.00 U U
DIBROMOMETHANE	1.00 U U	1.00 U	1.00 U U	1.00 U U	1.00 U U
2-CHLOROETHYL VINYL ETHE	1.00 U U	1.00 U U	1.00 U	1.00 U U	1.00 U
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Groundwater depth values are measured in feet below the water table

Ogden Environmental and Energy Services

OEES Technical Information Systems RGEN Vet 2u

VALIDATED MMR LABORATORY DATA

GROUP B, VOLATILES RESULTS 1999

	FIELDQC	FELDQC	FELDQC	FELDQC	FELDQC
	AA256	AA258	AA285	AA290	AA291
1/1	1/14/99	1/14/99	1/15/99	1/19/99	1/19/99
0-0		0-0	0-0	0-0	0-0
	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE
	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
	1.00 U	1.00 U	1.00 U	1.00 U U	1.00 U
	1.00 U	U U 00 U	1.00 U	1.00 U	1.00 U
	1.00 U	1.00 U	1.00 U U	1.00 U	1.00 U
	1.00 U U	1.00 U	1.00 U U	1.00 U U	1.00 U
	5.00 U U	5.00 U U	5.00 U U	5.00 U	7.00
	1.00 U	1.00 U	1.00 U U	1.00 U	0.30 J J
	2.00 U U	2.00 U U	2.00 U U	2.00 U	2.00 U U
	1.00 U	1.00 U	1.00 U U	1.00 U	1.00 U
	1.00 U	1.00 U	1.00 U U	1.00 U U	1.00 U
	1.00 U	1.00 U	1.00 U U	1.00 U	1.00 U
	5.00 U U	5.00 U U	5.00 U U	5.00 U U	5.00 U U
	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
	1.00 U U	1.00 U	1.00 U	1.00 U	1.00 U
	1.00 U U	1.00 U	1.00 U	1.00 U U	1.00 U
	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
	1.00 U U	1.00 U	1.00 U	1.00 U	1.00 U U
	1.00 U	1.00 U	1.00 U	1.00 U U	1.00 U
	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
	5.00 U U	5.00 U U	5.00 U U	5.00 U U	5.00 U U
	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
	1.00 U U	1.00 U	1.00 U U	1.00 U	1.00 U U

Groundwater depth values are measured in feet below the water table

VALIDATED MMR LABORATORY DATA GROUP B, VOLATILES RESULTS 1999

LAB_EPA_NO AA256 Date Sampled 1/14/99 Depth 0-0 Method Analyte Analyte Analyte 1,1,2-TRICHLOROETHANE RES TETRACHLOROETHYLENE(PCE 2-HEXANONE DARROMOCHLOROFTHANE ANARANONE	VIICAL	AA258	AA285	AA290	1000
ampled 0-0 d vte -TRICHLOROETHANE RACHLOROETHYLENE(PCE XANONE SOMOCHLOROMETHANE	VIICAL				167777
d vte	MEN BEY OUT	1/14/99	1/15/99	66/61/1	1/19/99
d V (UGL) Continued -:TRICHLOROETHANE RACHLOROETHYLENE(PCE EXANONE	VIII AB BEV OL'AL	0-0	0-0	0-0	0-0
2C21V (UG/L) Continued 1,1,2-TRICHLOROETHANE TETRACHLOROETHYLENE(PCE 2-HEXANONE	RESULT QUAL QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE
1,1,2-TRICHLOROETHANE TETRACHLOROETHYLENE(PCE 2-HEXANONE					
TETRACHLOROETHYLENE(PCE 2-HEXANONE DARROMOCHLOROMETHANE	1.00 U U	1.00 U	1.00 U	1.00 U	1.00 U
2-HEXANONE DIRROMOCHI OPOMETHANE	1.00 U U	1.00 U	1.00 U	1.00 U	1.00 U
DIRROMOCHI OROMETHANE	5.00 U U U	5.00 U U	5.00 U U	5.00 U U	5.00 U U
THE PROPERTY OF THE PROPERTY O	1.00 U	1.00 U	1.00 U U	1.00 U	1.00 U
1,2-DIBROMOETHANE (ETHYLE	1.00 U U	1.00 U	1.00 U	1.00 U	1.00 U
CHLOROBENZENE	1.00 U U	1.00 U	1.00 U	1.00 U	1.00 U
ETHYLBENZENE	1.00 U U	1.00 U U	1.00 U	1.00 U	1.00 U
XYLENES, TOTAL	1.00 U U	U 00 U	1.00 U	1.00 U	1.00 U U
STYRENE	1.00 U U	1.00 U U	1.00 U U	1.00 U U	1.00 U
BROMOFORM	1.00 U U	1.00 U U	1.00 U U	1.00 U	U U 00.1
1,1,2,2-TETRACHLOROETHANE	1.00 U U	U.00 U	1.00 U	1.00 U	1.00 U
1,3-DICHLOROBENZENE	1.00 U	1.00 U	1.00 U	1.00 U	U U 00.1
1,4-DICHLOROBENZENE	1.00 U U	1.00 U U	1.00 U	1.00 U	U U 00.1
1,2-DICHLOROBENZENE	1.00 U U	1.00 U	1.00 U	1.00 U	1.00 U
1,2-DIBROMO-3-CHLOROPROP	1.00 U	U D D O I	1.00 U	1.00 U	1.00 U
1,2,4-TRICHLOROBENZENE	1.00 U U	1.00 U	1.00 U	1.00 U	1.00 U
VINYL ACETATE	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
DIBROMOMETHANE	1.00 U U	1.00 U	1.00 U	1.00 U	1.00 U U
2-CHLOROFTHYL VINYL ETHE	1 00 U U	1.00 U U	1.00 U U	1.00 U	1.00 U U

OEES Technical Information Systems RGEN Vet. 2u

VALIDATED MMR LABORATORY DATA

GROUP B, VOLATILES RESULTS 1999

LAB_EPA_NO Date Sampled 1/	AA300	AA308	AA068	AA257	AA001
				The second secon	
	1/19/99	1/20/99	1/5/99	1/14/99	1/8/99
Depth 0-0	0-0	0-0	0-0	0-0	131-131
Method Analyte	ANALYTICAL LAB REV QUAL RESULT QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE
OC21V (UG/L)					
CHLOROMETHANE	1.00 U	1.00 U	1.00 U U*	1.00 U U*	1.00 U
VINYL CHLORIDE	1.00 U	1.00 U	1.00 U U*	1.00 U U*	1.00 U U
BROMOMETHANE	1.00 U	1.00 U	1.00 U U*	1.00 U U*	1.00 U U
CHLOROETHANE	1.00 U	1.00 U	1.00 U U*	1.00 U U*	1.00 U
1,1-DICHLOROETHENE	1.00 U	1.00 U	1.00 U U*	1.00 U U*	1.00 U
ACETONE	5.00	5.00 U U	5.00 U U*	\$.00 U U*	6.00 J R
CARBON DISULFIDE	1.00 U U	1.00 U	1.00 U U*	1.00 U U*	1.00 U
METHYLENE CHLORIDE	2.00 U U	2.00 U U	2.00 U U*	2.00 U U*	2.00 U U
TRANS-1,2-DICHLOROETHENE	1.00 U U	1.00 U	1.00 U U*	1.00 U U*	1.00 U
1,1-DICHLOROETHANE	1.00 U U	1.00 U U	1.00 U U*	1.00 U U*	1.00 U
CIS-1,2-DICHLOROETHYLENE	1.00 U U	1.00 U U	1.00 U U*	1.00 U U*	1.00 U U
METHYL ETHYL KETONE (2-BU	5.00 U U	5.00 U U	5.00 U U*	\$.00 U U*	5.00 U U
BROMOCHLOROMETHANE	1.00 U	1.00 U	1.00 U U*	1.00 U U*	1.00 U
CHLOROFORM	1.00 U	1.00 U	1.00 U U*	1.00 U U*	1.00 U
1,1,1-TRICHLOROETHANE	1.00 U	1.00 U	1.00 U U*	0.50 J J*	1.00 U U
CARBON TETRACHLORIDE	1.00 U	1.00 U	1.00 U U*	1.00 U U*	1.00 U
BENZENE	1.00 U	1.00 U	1.00 U U*	1.00 U U*	1.00 U U
1,2-DICHLOROETHANE	1.00 U	1.00 U	1.00 U U*	1.00 U U*	1.00 U
TRICHLOROETHYLENE (TCE)	1.00 U	1.00 U	1.00 U U*	1.00 U U*	1.00 U
1,2-DICHLOROPROPANE	1.00 U	1.00 U	1.00 U U*	1.00 U U*	1.00 U
BROMODICHLOROMETHANE	1.00 U	1.00 U	1.00 U U*	1.00 U U*	1.00 U
CIS-1,3-DICHLOROPROPENE	1.00 U	1.00 U	1.00 U U*	1.00 U U*	1.00 U
METHYL ISOBUTYL KETONE (4	5.00 U U	5.00 U U	5.00 U U*	5.00 U U*	5.00 U U
TOLUENE	1.00 U	1.00 U	1.00 U U*	1.00 U U*	0.60 J J
TRANS-1,3-DICHLOROPROPEN	1.00 U	1.00 U	1.00 U U*	1.00 U U*	1.00 U

Groundwater depth values are measured in feet below the water table

VALIDATED MMR LABORATORY DATA GROUP B, VOLATILES RESULTS 1999

ampled 0-0 0-0 0-0	0	A A 3 0 8	AA068	AA257	Δ Δ Ο Ο 1
ampled 1/19 d d		AASOO	COOKE		TONEY
0-0	6	1/20/99	1/5/99	1/14/99	1/8/99
d 14e		0-0	0-0	0-0	131-131
	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUALQUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUALQUAL CODE
OC21V (UG/L) Continued					
1,1,2-TRICHLOROETHANE	1.00 U U	1.00 U	1.00 U U*	1.00 U U*	1.00 U
TETRACHLOROETHYLENE(PCE	1.00 U	U U 00.1	1.00 U U*	1.00 U U*	2.00
2-HEXANONE	5.00 U U	5.00 U U	5.00 U U*	5.00 U U*	5.00 U U
DIBROMOCHLOROMETHANE	1.00 U U	1.00 U U	1.00 U U*	1.00 U U*	1.00 U
2-DIBROMOETHANE (ETHYLE	1.00 U	1.00 U	1.00 U U*	1.00 U U*	1.00 U
CHLOROBENZENE	1.00 U	1.00 U	1.00 U U*	1.00 U U*	1.00 U
ETHYLBENZENE	1.00 U U	1.00 U	1.00 U U*	1.00 U U*	1.00 U U
XYLENES, TOTAL	1.00 U U	1.00 U U	1.00 U U*	1.00 U U*	1.00 U U
STYRENE	1.00 U	1.00 U U	1.00 U U*	1.00 U U*	1.00 U U
BROMOFORM	1.00 U U	1.00 U U	1.00 U U*	1.00 U U*	1.00 U
1.1.2.2-TETRACHLOROETHANE	1.00 U U	1.00 U	1.00 U U*	1.00 U U*	1.00 U
,3-DICHLOROBENZENE	1.00 U	1.00 U U	1.00 U U*	1.00 U U*	U 00 01
4-DICHLOROBENZENE	1.00 U U	1.00 U	1.00 U U*	1.00 U U*	U 00 U
2-DICHLOROBENZENE	1.00 U	1.00 U U	1.00 U U*	1.00 U U*	U 00 U
,2-DIBROMO-3-CHLOROPROP	1.00 U U	1.00 U U	1.00 U U*	1.00 U U*	1.00 U U
,2,4-TRICHLOROBENZENE	1.00 U	1.00 U	1.00 U U*	1.00 U U*	1.00 U U
VINYL ACETATE	1.00 U	1.00 U	1.00 U U*	1.00 U W*	1.00 U U
DIBROMOMETHANE	1.00 U	U U U 0.1	1.00 U U*	1.00 U U*	1.00 U U
2-CHLOROETHYL VINYL ETHE	1.00 U U	1.00 U	1.00 U U*	1.00 U W*	1.00 U

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TOCID	WL34M1	WL34M1	WL34M1	WL34M1	WL34M1
AB EPA NO	AA002	AA003	AA004	AA005	AA006
led	1/8/99	1/12/99	1/12/99	1/12/99	1/12/99
Depth	141-141	151-151	156-156	161-161	166-166
Method Analyte	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE
OC21V (UGL)					
CHLOROMETHANE	1.00 U U	1.00 U	1.00 U	1.00 U	U 000.1
VINYL CHLORIDE	1.00 U	1.00 U U	1.00 U	1.00 U	1.00 U
BROMOMETHANE	1.00 U	1.00 U	1.00 U U	1.00 U	1.00 U
CHLOROETHANE	1.00 U				
1,1-DICHLOROETHENE	1.00 U				
ACETONE	5.00 U R R	12.00	00.9	5.00 U U	5.00 U U
CARBON DISULFIDE	1.00 U	1.00 U	1.00 U U	1.00 U	1.00 U
METHYLENE CHLORIDE	2.00 U U				
TRANS-1,2-DICHLOROETHENE	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U U
1,1-DICHLOROETHANE	1.00 U	1.00 U	U 0 0 0.1	1.00 U	1.00 U U
CIS-1,2-DICHLOROETHYLENE	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U U
METHYL ETHYL KETONE (2-BU	J 5.00 U U	5.00 U U	5.00 U U	5.00 U U	5.00 U U
BROMOCHLOROMETHANE	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U U
CHLOROFORM	1.00 U	1.00 U	1.00 U	1.00 U	0.60 J J
1,1,1-TRICHLOROETHANE	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U U
CARBON TETRACHLORIDE	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U U
BENZENE	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U U
1,2-DICHLOROETHANE	1.00 U				
TRICHLOROETHYLENE (TCE)	1.00 U				
1,2-DICHLOROPROPANE	1.00 U	U U 00.1	1.00 U	1.00 U	1.00 U
BROMODICHLOROMETHANE	1.00 U	1.00 U	1.00 U	1.00 U	U 00 U
CIS-1,3-DICHLOROPROPENE	1.00 U	1.00 U U	1.00 U	1.00 U	1.00 U
METHYL ISOBUTYL KETONE (4	5.00 U	5.00 U U	5.00 U U	5.00 U	5.00 U U
TOLUENE	1.00 U				
TRANS-1,3-DICHLOROPROPEN	1.00 U	1.00 U	1.00 U U	1.00 U	1.00 U

Groundwater depth values are measured in feet below the water table

VALIDATED MMR LABORATORY DATA GROUP B, VOLATILES RESULTS 1999

LOCID	WI.34MI	WL34MI	11V1-5-1V1	W L34IVII	TANK CONTRACT
PA NO	AA002	AA003	AA004	AA005	AA006
	66/8/1	1/12/99	1/12/99	1/12/99	1/12/99
	141-141	151-151	156-156	161-161	166-166
Method Analyte	ANALYTICAL LAB REV QUAL REN'LT QUAL QUAL CODE	ANALYTICAL ILAB REV QUAL RESULT QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE
OC21V (UG/L) Continued					
1,1,2-TRICHLOROETHANE	1.00 U U	1.00 U	1.00 U	1.00 U	1.00 U
TETRACHLOROETHYLENE(PCE	0.80 J J	U 00 U	1.00 U	1.00 U	1.00 U
2-HEXANONE	5.00 U U	5.00 U U	5.00 U U	5.00 U U	5.00 U U
DIBROMOCHLOROMETHANE	1.00 U U	1.00 U	1.00 U U	1.00 U	1.00 U
1,2-DIBROMOETHANE (ETHYLE	1.00 U	1.00 U U	1.00 U	1.00 U U	1.00 U
CHLOROBENZENE	1.00 U U	1.00 U	1.00 U	1.00 U U	1.00 U
ETHYLBENZENE	1.00 U U	1.00 U	1.00 U	1.00 U U	1.00 U U
XYLENES, TOTAL	1.00 U U	1.00 U	1.00 U	1.00 U U	1.00 U
STYRENE	1.00 U U	1.00 U	1.00 U	1.00 U U	1.00 U
BROMOFORM	1.00 U U	1.00 U	1.00 U	1.00 U U	1.00 U U
1,1,2,2-TETRACHLOROETHANE	1.00 U U	1.00 U U	1.00 U	1.00 U U	1.00 U
1,3-DICHLOROBENZENE	1.00 U U	1.00 U	1.00 U	1.00 U U	U 00 U
1,4-DICHLOROBENZENE	1.00 U U	1.00 U	1.00 U	1.00 U U	1.00 U
1,2-DICHLOROBENZENE	1.00 U U	1.00 U	1.00 U	1.00 U	1.00 U
1,2-DIBROMO-3-CHLOROPROP	1.00 U	1.00 U	1.00 U	1.00 U U	1.00 U
1,2,4-TRICHLOROBENZENE	1.00 U U	1.00 U	1.00 U	1.00 U	1.00 U
VINYL ACETATE	1.00 U U	1.00 U	1.00 U U	1.00 U	1.00 U
DIBROMOMETHANE	1.00 U U	1.00 U	1.00 U	1.00 U	1.00 U
2-CHLOROETHYL VINYL ETHE	1.00 U	1.00 U	1.00 U U	1.00 U	1.00 U
	-				
Groundwater depth values are measured in feet below the water table	d in feet below the water table				

VALIDATED MMR LABORATORY DATA GROUP B, VOLATILES RESULTS 1999

W LO HIVI	WL34M1	WL34IVII	WL34M1	WL34MI
AA007	AA008	AA009	AA010	AA011
1/12/99	1/12/99	1/12/99	1/12/99	1/13/99
171-171	177-177	191-191	201-201	211-211
ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE
1.00 U	1.00 U	1.00 U	1.00 U	1.00 U U
1.00 U				
1.00 U				
1.00 U				
1.00 U	1.00 U	1.00 U U	1.00 U	1.00 U
5.00	5.00 U U	0.00	5.00 U U	8.00 J R
1.00 U U	1.00 U	1.00 U U	1.00 U	1.00 U
2.00 U U				
TRANS-1,2-DICHLOROETHENE 1.00 U U	1.00 U	1.00 U U	1.00 U	1.00 U
1.00 U				
CIS-1,2-DICHLOROETHYLENE 1.00 U U	1.00 U	1.00 U	U U U	1.00 U
METHYL ETHYL KETONE (2-BU 5.00 U U	5.00 U U	5.00 U U	5.00 U U	5.00 U U
BROMOCHLOROMETHANE 1.00 U U	1.00 U U	1.00 U	1.00 U	U D 00.1
1.00 U U	1.00 U U	1.00 U	1.00 U	1.00 U
1,1,1-TRICHLOROETHANE 1.00 U U	1.00 U U	1.00 U	1.00 U	1.00 U
CARBON TETRACHLORIDE 1.00 U U	1.00 U U	1.00 U	1.00 U	1.00 U
1.00 U	1.00 U	1.00 U	1.00 U	U 00 U
1.00 U				
TRICHLOROETHYLENE (TCE) 1.00 U U	1.00 Ú U	1.00 U	1.00 U	1.00 U
1.00 U				
BROMODICHLOROMETHANE 1.00 U U	1.00 U	1.00 U	1.00 U	1.00 U
CIS-1,3-DICHLOROPROPENE 1.00 U U	1.00 U	1.00 U	1.00 U	1.00 U
METHYL ISOBUTYL KETONE (4 5.00 U U	5.00 U U	5.00 U U	5.00 U U	5.00 U U
1.00 U				
TRANS-1.3-DICHLOROPROPEN 1.00 [1] [1]	1.00 U	1.00 U U	11 00 11	1 00 11

Groundwater depth values are measured in feet below the water table

VALIDATED MMR LABORATORY DATA GROUP B, VOLATILES RESULTS 1999

1/12/99 1/12	LOCID	WL34M1	WI.34M1	WI.34M1	WL34M1	WL34M1
March Marc		AA007	AA008	AA009	AA010	AA011
T1-171 T		1/12/99	1/12/99	1/12/99	1/12/99	1/13/99
Continued		171-171	177-177	191-191	201-201	211-211
HANE 100 U U 100 U U U U U U U U U U U U U	Method Analyte	ANALYTICAL LAB REV QU'AL RESULT QUAL QUAL CODE	AB REV	LAB QUAL	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE
100 1	OC21V (UG/L) Continued					
100 10 10 10 10 10 10 1	1,1,2-TRICHLOROETHANE			Þ	n	ם
100 1	TETRACHLOROETHYLENE(PCE	1.00 U	1.00 U	D	n	n
100 1	2-HEXANONE		ח	n	D	D
100 1	DIBROMOCHLOROMETHANE		D	D	D	D
100 1	1,2-DIBROMOETHANE (ETHYLE	1.00 U	\Box	n		
1000 U U 1000 U 100 U 10	CHLOROBENZENE		Þ	D	D 00.	n
100 1	ETHYLBENZENE		D	D	n	n
100 10 10 10 10 10 10 1	XYLENES, TOTAL		D	n	U 00.	n
1,001 10 10 10 10 10 10	STYRENE		\supset	D	\supset	
1,00	BROMOFORM		n	D	n	D
1.00 U U 1.00 U 1.00 U U 1	1,1,2,2-TETRACHLOROETHANE		D	D	D	D
1.00 U U 1.00 U 1.00 U U 1.00	1,3-DICHLOROBENZENE			ח	n	D
1.00 U U 1.0	1,4-DICHLOROBENZENE		ח	D	D	n
1.00 U U 1.00	1,2-DICHLOROBENZENE		D	ח	Þ	D
1.00 U U 1.00 U 1.00 U 1.00 U 1.00 U U 1.00	1,2-DIBROMO-3-CHLOROPROP		Þ	D	Þ	n
1.00 U U U 1.00 U 1.0	1,2,4-TRICHLOROBENZENE		D	D	ח	D
1.00 U U U 1.00 U U U 1.00 U	VINYL ACETATE		\Box	n	\supset	
1.00 U U U U U U U U U U U U U U U U U U	DIBROMOMETHANE		ח	D	D	D
Talsa and an analysis and a state of the sta	2-CHLOROETHYL VINYL ETHE		b	n	D	D
The Charles Information						
Tolvil Jesunda 1 23 de		The second				
Surrive T 244r						
LSaar		-	-			
		-				

Groundwater depth values are measured in feet below the water table

VALIDATED MMR LABORATORY DATA

GROUP B, VOLATILES RESULTS 1999

DATE SIMPLY	LOCID	WL46D	WL46D	WL46D	WL46D	WL46D
170999 1709999 170999 170999 170999 170999 170999 170999 1709999 170999 170999 170999 170999 170999 170999 17099999 1709999 1709999 1709999 170999999 170999999 170999999 1709999999 17099999999 170999999999999999999999999999999999999		AA220	AA287	AA222	AA223	AA224
CALCACIDE CALC		1/19/99	1/19/99	1/20/99	1/20/99	1/20/99
COLDING NAMESTICAL JUNIO	Depth	217-217	217-217	237-237	247-247	257-257
THANE THANE THONE TH	Method Analyte	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE	LAB REV QUAL QUAL	LAB REV QUAL QUAL	LAB REV QUAL QUAL	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE
1.00 U 1.00 U 1.00 U 1.00 U 1.00 U U U 1.00 U U U 1.00 U U U U U U U U U	OC21V (UGL)					
1.00 U	CHLOROMETHANE	-	1.00 U	U UJ	U UJ	n
1.00 U U C 1.00 U U U C 1.00 U U U C 1.00 U U U U U U U U U	VINYL CHLORIDE				ם	
1.00 U U C 1.00 U U U U U U U U U	BROMOMETHANE	1.00 U	n	þ	ח	D
8.00 J R 7.00 U 1.00 U	CHLOROETHANE	m	U UJ		n	1.00 U
8.00 J R 7.00 J R 7.00 J R 5.00 J L 5.00 J J L 5.00 J J R 5.00 J J R 5.00 J J R 5.00 J J R 5.00 J <t< td=""><td>1,1-DICHLOROETHENE</td><td>1.00 U</td><td>1.00 U U</td><td>n</td><td>n</td><td>1.00 U</td></t<>	1,1-DICHLOROETHENE	1.00 U	1.00 U U	n	n	1.00 U
100 U 100	ACETONE	ſ	J	7.00	D	n
2.00 U U 2.00 U U 2.00 U U 2.00 U U 1.00 U U 1.	CARBON DISULFIDE	1.00 U		1.00 U U	D	n
1,000 U U 1,000 U U <td< td=""><td>METHYLENE CHLORIDE</td><td>2.00 U U</td><td></td><td></td><td>Þ</td><td>n</td></td<>	METHYLENE CHLORIDE	2.00 U U			Þ	n
1.00 U U 1.	TRANS-1,2-DICHLOROETHENE			D	ח	n
1.00 U 0 1.00 U 1.00 U <td< td=""><td>1,1-DICHLOROETHANE</td><td>1.00 U</td><td></td><td>D</td><td></td><td>þ</td></td<>	1,1-DICHLOROETHANE	1.00 U		D		þ
5.00 U U 5.00 U U 5.00 U U 5.00 U U 1.00 U U 1.	CIS-1,2-DICHLOROETHYLENE			D	ם	Þ
1.00 U U 1.00 U U <td< td=""><td>METHYL ETHYL KETONE (2-BU</td><td>5.00 U</td><td>D</td><td>n</td><td>b</td><td>Þ</td></td<>	METHYL ETHYL KETONE (2-BU	5.00 U	D	n	b	Þ
1.00 U U 1.00 U U <td< td=""><td>BROMOCHLOROMETHANE</td><td></td><td>ם</td><td>n</td><td></td><td>n</td></td<>	BROMOCHLOROMETHANE		ם	n		n
1.00 U	CHLOROFORM		ח	n	D	D
1.00 U U 1.00 U <td< td=""><td>1,1,1-TRICHLOROETHANE</td><td></td><td>D</td><td>D</td><td>ר</td><td>n</td></td<>	1,1,1-TRICHLOROETHANE		D	D	ר	n
1.00 U U 1.00 U 1.	CARBON TETRACHLORIDE		n	1.00 U	D	n
1.00 U U 1.00 U 1.	BENZENE	<u> </u>	D	ם	n n	1.00 U
1.00 U U 1.00 U 0 1.00 U <	1,2-DICHLOROETHANE		b	D	b	D
1.00 U U 1.00 U I 1.00 U I 1.	TRICHLOROETHYLENE (TCE)	·	,D	1.00 U U	D	D
1.00 U U 1.00 U	1,2-DICHLOROPROPANE		n	þ	n	D
1.00 U U 5.00 U U 5.00 U U 5.00 U U 5.00 U U 1.00 U 1.00 U 1.00 U U 1.00 U U 1.00 U 1.00 U 1.00 U 1.00 U	BROMODICHLOROMETHANE		ח	D	n n	D
5.00 U U 1.00 U I	CIS-1,3-DICHLOROPROPENE		n	n	D	D
1.00 U U 1.00 U	METHYL ISOBUTYL KETONE (4	5.00 U	þ	b	ח	n
1.00 U U U 0.1 U U 0.1 U U 0.1 U U 0.0	TOLUENE		D	n	n	D
	TRANS-1,3-DICHLOROPROPEN		n	ח	D	þ

Groundwater depth values are measured in feet below the water table

VALIDATED MMR LABORATORY DATA

GROUP B, VOLATILES RESULTS 1999

119/99 1/20/	1/20/99 1/20/99 1/20/99 1/20/99 1/20/99 1/20/99 1/20/99 1/20/99 1/20/99 1/20/99 1/20/99 1/20/97 1/20	1/20/99 257-257 257-257 1.00 U
177-217 217-217 ANALYTICAL LAB REV QUAL ANALYTICAL LAB RESULT 1.00 U U U 1.00	1/20/99 1/20	1/20/99 257-257 RESULT 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.0
217-217 ANALYTICAL LAB REV QUAL ANALYTICAL ARESULT QUAL QUAL CODE RESULT 1.00 U U U 1.00 U 1.00 U U 1.00 U U U 1.00 U U U 1.00 U U U 1.00 U U U U 1.00 U U U U U 1.00 U U U U 1.00 U U U U U U 1.00 U U U U U U U 1.00 U U U U U U U U U U U U U U U U U U	LAB REV QUAL ANALYTICAL QUAL CODE RESULT 1.00 U U U U 1.00 U U U 0 1.00 U U U 1.00 U U 1.00 U U U 1.00	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
ANALYTICAL LAB REV GODE RESULT OUAL QUAL CODE RESULT OUAL QUAL CODE RESULT OUAL QUAL CODE CODE RESULT OU OU U OU O	LAB REV QUAL RESULT U U U 1.00 U U U 0.100 U U U 1.000	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
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u u	1.00 U U U U U U U U U U U U U U U	
U U U 0 1.00 U 1.00 <td>1.00 U U U U U U U U U U U U U U U U U U</td> <td></td>	1.00 U U U U U U U U U U U U U U U U U U	
u 0.00 0.00 0.00 u 0.00 0.00 0.00 <td< td=""><td>0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td></td></td<>	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
U 1.00 U 1.00 U 1.00 U 1.00 <t< td=""><td>1.00 U U U U U U U U U U U U U U U U U U</td><td></td></t<>	1.00 U U U U U U U U U U U U U U U U U U	
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U 1.00 U 1.00	1.00 U U U U U U U U U U U U U U U U U U	
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U 1.00 U U	1.00 U U U U U U U U U U U U U U U U U U	
U 1.00 U U	1.00 U U U U U U U U U U U U U U U U U U	
U 1.00 U U 1.00	1.00 U U U U U U U U U U U U U U U U U U	
U 1.00 U 0 1.00	1.00 U U U U U U U U U U U U U U U U U U	מממ
U 1.00 U 1.00	0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1	D F
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Ogden Environmental and Energy Services

Groundwater depth values are measured in feet below the water table

VALIDATED MMR LABORATORY DATA

GROUP B, VOLATILES RESULTS 1999

				J (1)																		nz	19V	GEN	A am	Syste	патоп	тоји	l lesin	ЕЗ Десуг
WL47D	AA161	1/12/99	125-125	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE		1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U R R	1.00 U	2.00 U U	1.00 U	1.00 U	1.00 U	5.00 U U	1.00 U	1.00	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U U	1.00 U	1.00 U
WL47D	AA160	1/11/99	115-115	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE		1.00 U	1.00 U	1.00 U U	1.00 U U	1.00 U	5.00 U U	1.00 U U	2.00 U U	1.00 U	1.00 U U	1.00 U U	5.00 U U	1.00 U	1.00	1.00 U U	1.00 U U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U U	1.00 U U	5.00 U U	1.00 U	1.00 U
WL47D	AA159	1/11/99	105-105	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE		1.00 U	1.00 U	1.00 U	1.00 U U	1.00 U	5.00 U U	1.00 U	2.00 U U	1.00 U	1.00 U	1.00 U U	5.00 U U	1.00 U	1.00	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U U	1.00 U	1.00 U
WL46D	AA226	1/20/99	277-277	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE		1.00 U UJ C	1.00 U U	1.00 U U	1.00 U U	1.00 U U	5.00 U U	1.00 U	2.00 U U	1.00 U	1.00 U U	1.00 U	5.00 U U	1.00 U U	1.00 U U	1.00 U U	1.00 U U	1.00 U	1.00 U	1.00 U U	1.00 U	1.00 U	1.00 U	5.00 U U	1.00 U U	1.00 U U
WL46D	AA225	1/20/99	267-267	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE		1.00 U UJ C	1.00 U U	1.00 U	1.00 U U	1.00 U	5.00 U U	1.00 U U	2.00 U U	1.00 U	1.00 U	1.00 U	5.00 U U	1.00 U U	1.00 U	1.00 U U	1.00 U	1.00 U	1.00 U	1.00 U U	1.00 U	1.00 U U	1.00 U U	5.00 U U	1.00 U	1.00 U
Nocin	LAB_EPA_NO	Date Sampled	Depth 2	Method Analyte	OC21V (UG/L)	CHLOROMETHANE	VINYL CHLORIDE	BROMOMETHANE	CHLOROETHANE	1,1-DICHLOROETHENE	ACETONE	CARBON DISULFIDE	METHYLENE CHLORIDE	TRANS-1,2-DICHLOROETHENE	1,1-DICHLOROETHANE	CIS-1,2-DICHLOROETHYLENE	METHYL ETHYL KETONE (2-BU	BROMOCHLOROMETHANE	CHLOROFORM	1,1,1-TRICHLOROETHANE	CARBON TETRACHLORIDE	BENZENE	1,2-DICHLOROETHANE	TRICHLOROETHYLENE (TCE)	1,2-DICHLOROPROPANE	BROMODICHLOROMETHANE	CIS-1,3-DICHLOROPROPENE	METHYL ISOBUTYL KETONE (4	TOLUENE	TRANS-1,3-DICHLOROPROPEN

Groundwater depth values are measured in feet below the water table

VALIDATED MMR LABORATORY DATA

GROUP B, VOLATILES RESULTS 1999

AA225	AA160 1/11/99 115-115 ANALYTICAL LAB ANALYTICAL LAB 1.00 U	AA161 1/12/99 125-125 ANALYTICAL LAB REV QUAL CODE 1.00 U U 1.00 U U
1/20/99 1/20	1/11/99 115-115 RESULT QUAL QUAL 1.00 U U 1.00 U	1/12/99 125-125 ANALYTICAL LAB REV QUAL QUAL QUAL QUAL QUAL QUAL QUAL QUAL
THANE 100 U U 1.00 U U 1.00 U U 1.00 U U U 1.00 U U U 1.00 U U U 1.00 U U U U U U U U U	ANALYTICAL LAB REV ANALYTICAL LAB REV 1.00 U U 1.00 U U	125-125 ANALYTICAL LAB REV 1.00 U U
ANALYTICAL LAB REV GUAL RESULT GOAL GUAL CODE ANALYTICAL LAB RESULT GOAL GUAL CODE COAL GUAL CODE	ANALYTICAL LAB REV RESULT QUAL QUAL 1.00 U U 1.00 U U	ANALYTICAL LAB REV RESULT QUAL QUAL 1.00 U U 1.00 U U
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1.00 U	1.00 U U	1.00 U U
1.00 U U 1.00 U U 1.00 U U 1.00 U U 1.00 U 1	1.00 U U	1.00 U
1.00 U U U C 1.00 U U U U C 1.00 U U U U U U U U U U U U U U U U U U	1.00 U U	1.00 U
1.00 U U U 1.00 U U U U U U U U U U U U U U U U U U	1.00 U U	1.00 U
1.00 U U 1.00 U U C 1.00 U U C 1.00 U	1.00 U U	1.00 U U
1.00 U UJ C 1.00 U UJ C 1.00 U	1.00 U	1.00 U U
	1.00 U U	1.00 U

VALIDATED MMR LABORATORY DATA

GROUP B, VOLATILES RESULTS 1999

LOCID	WL47D	WL47D	WL47D	WL47D	WL47D
LAB_EPA_NO	AA162	AA163	AA164	AA165	AA166
Date Sampled	1/12/99	1/12/99	1/12/99	1/13/99	1/13/99
Depth	135-135	145-145	155-155	165-165	175-175
Method Analyte	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL
OC21V (UGA)					
CHLOROMETHANE	1.00 U	1.00 U	1.00 U U	1.00 U	1.00 U
VINYL CHLORIDE	1.00 U U	1.00 U U	1.00 U U	1.00 U	1.00 U U
BROMOMETHANE	1.00 U	1.00 U	1.00 U U	1.00 U	1.00 U
CHLOROETHANE	1.00 U	1.00 U U	1.00 U	1.00 U U	U 0 0 0 1
1,1-DICHLOROETHENE	1.00 U	1.00 U U	1.00 U	1.00 U	1.00 U
ACETONE	5.00 U R R	5.00 U R R	5.00 U R R	5.00 U R R	5.00 U R R
CARBON DISULFIDE	1.00 U	1.00 U U	1.00 U	1.00 U U	1.00 U U
METHYLENE CHLORIDE	2.00 U U	2.00 U U	2.00 U U	2.00 U U	2.00 U U
TRANS-1,2-DICHLOROETHENE	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
1,1-DICHLOROETHANE	1.00 U	1.00 U U	1.00 U U	1.00 U	1.00 U
CIS-1,2-DICHLOROETHYLENE	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U U
METHYL ETHYL KETONE (2-BU	5.00 U U	S.00 U	5.00 U U	5.00 U U	5.00 U U
BROMOCHLOROMETHANE	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
CHLOROFORM	0.90 J J	0.70 J	0.60 J J	0.70 J	0.70 J J
1,1,1-TRICHLOROETHANE	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
CARBON TETRACHLORIDE	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
BENZENE	1.00 U	1.00 U	1.00 U	1.00 U U	1.00 U
1,2-DICHLOROETHANE	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
TRICHLOROETHYLENE (TCE)	1.00 U	1.00 U U	1.00 U	1.00 U	1.00 U U
1,2-DICHLOROPROPANE	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
BROMODICHLOROMETHANE	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
CIS-1,3-DICHLOROPROPENE	1.00 U	1.00 U U	1.00 U	1.00 U	1.00 U
METHYL ISOBUTYL KETONE (4	5.00 U U	5.00 U U	5.00 U U	5.00 U U	5.00 U U
TOLUENE	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
TRANS-1,3-DICHLOROPROPEN	1.00 U	1.00 U	1.00 U U	1.00 U	1.00 U U

Groundwater depth values are measured in feet below the water table

VALIDATED MMR LABORATORY DATA GROUP B, VOLATILES RESULTS 1999

LOCID	WI.47ID	WL47ID	WL47D	WL47D	WL47D
I AR EPA NO	AA162	AA163	AA164	AA165	AA166
Date Sampled	1/12/99	1/12/99	1/12/99	1/13/99	1/13/99
Depth	135-135	145-145	155-155	165-165	175-175
Method Analyte	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE
OC21V (IGA) Continued	-				
1.1.2-TRICHLOROETHANE	1.00 U U	1.00 U	1.00 U	1.00 U	1.00 U
TETRACHLOROETHYI, ENE (PCE	1.00 U	U U 00 U	1.00 U U	1.00 U	1.00 U U
2-HEXANONE	5.00 U U				
DIBROMOCHLOROMETHANE	U 0 00	1.00 U U	1.00 U	1.00 U U	1.00 U U
1,2-DIBROMOETHANE (ETHYLE	3 1.00 U U	U U 00.1	1.00 U	1.00 U	1.00 U U
CHLOROBENZENE	1.00 U U	1.00 U	1.00 U	1.00 U	1.00 U
ETHYLBENZENE	1.00 U U	1.00 U U	1.00 U	1.00 U	1.00 U
XYLENES, TOTAL	1.00 U U	1.00 U	U U 00.1	1.00 U U	1.00 U U
STYRENE	1.00 U U	1.00 U	1.00 U U	1.00 U	1.00 U
BROMOFORM	1.00 U U	1.00 U U	1.00 U U	1.00 U	1.00 U U
1,1,2,2-TETRACHLOROETHANE	1.00 U	1.00 U U	1.00 U U	1.00 U	1.00 U U
1,3-DICHLOROBENZENE	1.00 U U	1.00 U	1.00 U U	1.00 U	U 00 U
1,4-DICHLOROBENZENE	1.00 U U	1.00 U	1.00 U U	1.00 U	1.00 U
1,2-DICHLOROBENZENE	1.00 U U	1.00 U	1.00 U	1.00 U	1.00 U
1,2-DIBROMO-3-CHLOROPROP	1.00 U U	1.00 U U	1.00 U	1.00 U	1.00 U
1,2,4-TRICHLOROBENZENE	1.00 U				
VINYL ACETATE	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U U
DIBROMOMETHANE	U 0 0 0 1	1.00 U	1.00 U	1.00 U	1.00 U U
2-CHLOROETHYL VINYL ETHE	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U U
					ы Зувет
					nesj juj
					ES Tech
Groundwater depth values are measured in feet below the water table	ed in feet below the water tal	ole .		Octon Taning	
				Ogden Environmen	tal and Energy Services

VALIDATED MMR LABORATORY DATA

GROUP B, VOLATILES RESULTS 1999

WL4/D	WL4/D	WL4/D	WL4/D	WL4/D
AA167	AA168	AA169	AA170	AA171
1/13/99	1/13/99	1/13/99	1/14/99	1/14/99
185-185	195-195	205-205	215-215	225-225
ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE
1.00 U	1.00 U	1.00 U	1.00 U U	1.00 U
1.00 U	1.00 U U	1.00 U	U U 00.1	1.00 U
1.00 U	1.00 U	1.00 U U	1.00 U U	1.00 U UJ C
1.00 U				
1.00 U U	1.00 U U	1.00 U U	1.00 U U	1.00 U
5.00 U R R	5.00 U R R	5.00 U R R	5.00 U U	5.00 U U
1.00 U U	1.00 U	1.00 U	1.00 U	1.00 U
2.00 U U				
1.00 U	1.00 U	1.00 U	1.00 U U	1.00 U
1.00 U				
1.00 U	1.00 U	1.00 U U	U 00 U	1.00 U
5.00 U U				
1.00 U	1.00 U	1.00 U U	1.00 U	1.00 U
0.70 J J	0.80 J J	0.80 J	1.00 U	1.00 U
1.00 U U	1.00 U	1.00 U U	1.00 U	1.00 U
1.00 U	1.00 U	1.00 U	1.00 U U	1.00 U
1.00 U	1.00 U U	1.00 U U	1.00 U	1.00 U
1.00 U	1.00 U	1.00 U	1.00 U	1.00 U U
1.00 U				
1.00 U U	1.00 U	1.00 U	1.00 U	1.00 U
1.00 U	1.00 U	1.00 U	1.00 U U	1.00 U
1.00 U U	1.00 U U	1.00 U	1.00 U	1.00 U
5.00 U U				
1.00 U U	1.00 U	1.00 U	1.00 U	1.00 U
1.00 U	1.00 U	1.00 U U	1.00 U	1.00 U

Groundwater depth values are measured in feet below the water table

VALIDATED MMR LABORATORY DATA

GROUP B, VOLATILES RESULTS 1999

WL47D	AA171	1/14/99	225-225	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE		1.00 U	1.00 U	5.00 U U	1.00 U U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	U U 00 II	U U 00.1	1.00 U	1.00 U	U 00 U	U U U O I	1.00 U U	1.00 U U	Зуясетя	uoqeu	aojaj (e	EJIUQJ	.T. 243	Ooden Environmental and Energy Services
WL47D	AA170	1/14/99	215-215	ANALYTICAL LAB REV QUAL RESULT QUAL CODE		1.00 U	1.00 U U	5.00 U U	1.00 U	1.00 U	1.00 U	U U 00.1	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	U U 00.1	U U 00.1	1.00 U	1.00 U	1.00 U	1.00 U U	1.00 U U						Oaden Environment
WL47D	AA169	1/13/99	205-205	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE		1.00 U	1.00 U	5.00 U U	1.00 U U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U U	1.00 U	1.00 U	1.00 U	1.00 U U	1.00 U	1.00 U U	1.00 U	1.00 U U						
WI.47D	AA168	1/13/99	195-195	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE		1.00 U U	U D D O T	5.00 U U	1.00 U U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U U	1.00 U U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U U						
WL47D	AA167		85-185	ANALYTICAL LAB REV QUAL RESULT QUAL CODE		1.00 U U	1.00 U U	5.00 U U	1.00 U U	1.00 U U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U U	1.00 U	1.00 U U	1.00 U	1.00 U U	1.00 U	1.00 U U	1.00 U	1.00 U						in feet below the water table
W (1301)	DA NO		. 1	Method Analyte	OC21V (UG/L) Continued	1,1,2-TRICHLOROETHANE	TETRACHI, OROETHYLENE (PCE	2-HEXANONE	DIBROMOCHLOROMETHANE	1.2-DIBROMOETHANE (ETHYLE	CHLOROBENZENE	ETHYLBENZENE	XYLENES, TOTAL	STYRENE	BROMOFORM	1.1.2.2-TETRACHLOROETHANE	1.3-DICHLOROBENZENE	1,4-DICHLOROBENZENE	1,2-DICHLOROBENZENE	1.2-DIBROMO-3-CHLOROPROP	1,2,4-TRICHLOROBENZENE	VINYL ACETATE	DIBROMOMETHANE	2-CHLOROETHYL VINYL ETHE						Groundwater depth values are measured in feet below the water table

VALIDATED MMR LABORATORY DATA

GROUP B, VOLATILES RESULTS 1999

LOCID	WL52D	WL52D	WL52D	WL52D	WL52D
LAB EPA NO	AA016	AA019	AA020	AA020DL	AA021
Date Sampled	66/8/1	1/11/99	1/11/99	1/11/99	1/12/99
Depth	170-175	200-205	210-215	210-215	220-225
Method Analyte	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE
OCZIV (UGL)					
CHLOROMETHANE	1.00 U	1.00 U	1.00 U	3.00 UD R D	1.00 U
VINYL CHLORIDE	1.00 U	1.00 U	1.00 U	3.00 UD R D	1.00 U
BROMOMETHANE	1.00 U	1.00 U	1.00 U	3.00 UD R D	1.00 U
CHLOROETHANE	1.00 U U	1.00 U	1.00 U U	3.00 UD R D	1.00 U
1,1-DICHLOROETHENE	1.00 U U	1.00 U	1.00 U	3.00 UD R D	1.00 U
ACETONE	5.00 U R R	5.00 U U	5.00 U U	13.00 UD R D	5.00 U R R
CARBON DISULFIDE	1.00 U	1.00 U	1.00 U	3.00 UD R D	1.00 U
METHYLENE CHLORIDE	2.00 U U	2.00 U U	2.00 U U	5.00 UD R D	2.00 U U
TRANS-1,2-DICHLOROETHENE	1.00 U U	1.00 U	1.00 U	3.00 UD R D	1.00 U U
1,1-DICHLOROETHANE	1.00 U U	1.00 U	1.00 U	3.00 UD R D	1.00 U
CIS-1,2-DICHLOROETHYLENE	1.00 U	1.00 U U	1.00 U	3.00 UD R D	1.00 U U
METHYL ETHYL KETONE (2-BU	U 5.00 U U	5.00 U U	5.00 U U	13.00 UD R D	5.00 U U
BROMOCHLOROMETHANE	1.00 U U	1.00 U U	1.00 U U	3.00 UD R D	1.00 U U
CHLOROFORM	0.60 J J	1.00 U U	0.50 J J	3.00 UD R D	0.60 J
1,1,1-TRICHLOROETHANE	1.00 U U	1.00 U U	1.00 U U	3.00 UD R D	1.00 U
CARBON TETRACHLORIDE	1.00 U	1.00 U	1.00 U	3.00 UD R D	1.00 U U
BENZENE	1.00 U	1.00 U U	1.00 U U	3.00 UD R D	1.00 U U
1,2-DICHLOROETHANE	1.00 U	1.00 U	1.00 U	3.00 UD R D	1.00 U U
TRICHLOROETHYLENE (TCE)	1.00 U	1.00 U	1.00 U	3.00 UD R D	1.00 U
1,2-DICHLOROPROPANE	1.00 U	1.00 U	1.00 U	3.00 UD R D	1.00 U
BROMODICHLOROMETHANE	1.00 U	1.00 U	1.00 U	3.00 UD R D	1.00 U
CIS-1,3-DICHLOROPROPENE	1.00 U	1.00 U	1.00 U	3.00 UD R D	1.00 U U
METHYL ISOBUTYL KETONE (4	4 5.00 U U	5.00 U U	5.00 U U	13.00 UD R D	5.00 U U
TOLUENE	1.00 U	2.00	39.00 E R D	51.00 D	2.00
TRANS-1,3-DICHLOROPROPEN	1.00 U	1.00 U	1.00 U	3.00 UD R D	U U 00 II

Groundwater depth values are measured in feet below the water table

VALIDATED MMR LABORATORY DATA

GROUP B, VOLATILES RESULTS 1999

I,OCII)	WL,52D	WL52D	WL32D	WL521)	WL32D
LAB EPA NO	AA016	AA019	AA020	AA020DL	AA021
	1/8/99	1/11/99	1/11/99	1/11/99	1/12/99
	170-175	200-205	210-215	210-215	220-225
Method Analyte	ANALYTICAL LAB REV QU'AL RESULT QU'AL QU'AL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE
OC21V (UG/L) Continued	_				
1,1,2-TRICHLOROETHANE	1.00 U U	1.00 U	1.00 U	3.00 UD R D	1.00 U U
TETRACHI.OROETHYLENE(PCE	1.00 U	U U U U	1.00 U	3.00 UD R D	1.00 U U
2-HEXANONE	5.00 U U	5.00 U U	5.00 U U	13.00 UD R D	5.00 U U
DIBROMOCHLOROMETHANE	1.00 U U	1.00 U	0.70 J	0.60 JD R D	1.00 U
1,2-DIBROMOETHANE (ETHYLE	1.00 U U	U 0 0.1	1.00 U	3.00 UD R D	1.00 U U
CHLOROBENZENE	1.00 U U	1.00 U U	1.00 U	3.00 UD R D	1.00 U
ETHYLBENZENE	1.00 U U	1.00 U	1.00 U	3.00 UD R D	1.00 U U
XYLENES, TOTAL	1.00 U U	1.00 U	1.00 U U	3.00 UD R D	1.00 U
STYRENE	1.00 U U	1.00 U U	1.00 U U	3.00 UD R D	1.00 U
BROMOFORM	1.00 U U	1.00 U	0.60 J	0.60 JD R D	1.00 U U
1,1,2,2-TETRACHLOROETHANE	1.00 U	1.00 U U	1.00 U	3.00 UD R D	1.00 U U
1,3-DICHLOROBENZENE	1.00 U U	1.00 U	1.00 U U	3.00 UD R D	1.00 U
1,4-DICHLOROBENZENE	1.00 U U	1.00 U	1.00 U	3.00 UD R D	1.00 U
1,2-DICHLOROBENZENE	1.00 U U	1.00 U U	1.00 U	3.00 UD R D	1.00 U
1,2-DIBROMO-3-CHLOROPROP	1.00 U	1.00 U U	1.00 U U	3.00 UD R D	1.00 U
1,2,4-TRICHLOROBENZENE	1.00 U U	1.00 U U	1.00 U	3.00 UD R D	1.00 U
VINYL ACETATE	1.00 U U	1.00 U U	1.00 U	3.00 UD R D	U 00 U
DIBROMOMETHANE	1.00 U U	1.00 U U	1.00 U	3.00 UD R D	1.00 U
2-CHLOROETHYL VINYL ETHE	1.00 U U	U 00 U	1.00 U U	3.00 UD R D	1.00 U U
Groundwater denth values are measured in feet helow the water table	d in feet helow the water table				

VALIDATED MMR LABORATORY DATA

GROUP B, VOLATILES RESULTS 1999

LOCID	WL52D	WL52D	WL52D	WL52D	WL52D
LAB_EPA_NO	AA022	AA023	AA024	AA025	AA026
Date Sampled	1/12/99	1/12/99	1/13/99	1/14/99	1/20/99
Depth	230-235	240-245	250-255	260-265	270-275
Method Analyte	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE
OC21V (UGA)					-
CHLOROMETHANE	1.00 U	1.00 U	1.00 U U	1.00 U	0.50 J J C
VINYL CHLORIDE	1.00 U	1.00 U	1.00 U U	1.00 U	1.00 U
BROMOMETHANE	1.00 U	1.00 U U	1.00 U	1.00 U	1.00 U
CHLOROETHANE	1.00 U	1.00 U	1.00 U U	1.00 U	1.00 U
1,1-DICHLOROETHENE	1.00 U	1.00 U U	1.00 U U	1.00 U U	1.00 U
ACETONE	5.00 U R R	5.00 U R R	5.00 U R R	5.00 U U	5.00 U U
CARBON DISULFIDE	1.00 U	1.00 U U	1.00 U U	1.00 U U	1.00 U
METHYLENE CHLORIDE	2.00 U U	2.00 U U	2.00 U U	2.00 U U	2.00 U U
TRANS-1,2-DICHLOROETHENE	1.00 U	1.00 U U	1.00 U	1.00 U U	1.00 U
1,1-DICHLOROETHANE	1.00 U U	1.00 U	1.00 U U	1.00 U U	1.00 U
CIS-1,2-DICHLOROETHYLENE	1.00 U	1.00 U	1.00 U	1.00 U U	1.00 U
METHYL ETHYL KETONE (2-BU	J 5.00 U U	5.00 U U	5.00 U U	5.00 U U	5.00 U U
BROMOCHLOROMETHANE	1.00 U U	1.00 U	1.00 U	1.00 U	1.00 U
CHLOROFORM	0.60 J J	1.00 U	1.00 U	0.50 J J	0.40 J J
1,1,1-TRICHLOROETHANE	1.00 U U	U U 00.1	1.00 U U	1.00 U U	1.00 U
CARBON TETRACHLORIDE	1.00 U U	1.00 U	1.00 U	1.00 U	1.00 U
BENZENE	1.00 U U	U U 00.1	1.00 U	1.00 U U	1.00 U
1,2-DICHLOROETHANE	1.00 U U	1.00 U	1.00 U	1.00 U	1.00 U
TRICHLOROETHYLENE (TCE)	1.00 U U	1.00 U	1.00 U	1.00 U	1.00 U
1,2-DICHLOROPROPANE	1.00 U U	1.00 U	1.00 U U	1.00 U U	1.00 U
BROMODICHLOROMETHANE	1.00 U U	1.00 U	1.00 U	1.00 U U	1.00 U
CIS-1,3-DICHLOROPROPENE	1.00 U U	1.00 U	1.00 U U	1.00 U U	1.00 U
METHYL ISOBUTYL KETONE (4	U 0 00.5	5.00 U U	5.00 U U	5.00 U U	5.00 U U
TOLUENE	10.00	0.60 J J	1.00	2.00	13.00
TRANS-1,3-DICHLOROPROPEN	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U

Groundwater depth values are measured in feet below the water table

VALIDATED MMR LABORATORY DATA

GROUP B, VOLATILES RESULTS 1999

ampled			A A DO A	20011	A 4 0 7 6
ampled	AA022	AA023	AA024	AA025	07000
	1/12/99	1/12/99	1/13/99	1/14/99	1/20/99
Method	230-235	240-245	250-255	260-265	270-275
Analyte	ANALYTICAL LAB REV QUAL RESULT QUALQUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUALQUAL CODE
OC21V (UG/L) Continued					
1,1,2-TRICHLOROETHANE	1.00 U U	1.00 U U	1.00 U	1.00 U U	1.00 U
TETRACHLOROETHYLENE(PCE	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
2-HEXANONE	5.00 U U	5.00 U U	5.00 U U	5.00 U U	5.00 U U
DIBROMOCHLOROMETHANE	1.00 U	1.00 U U	1.00 U	0.60 J	1.00 U
1,2-DIBROMOETHANE (ETHYLE	1.00 U U	1.00 U	1.00 U	1.00 U	1.00 U
CHLOROBENZENE	1.00 U	1.00 U U	1.00 U	1.00 U	1.00 U
ETHYLBENZENE	1.00 U U	1.00 U	1.00 U	1.00 U	U U 00.1
XYLENES, TOTAL	1.00 U U	1.00 U U	1.00 U U	1.00 U	1.00 U
STYRENE	1.00 U U	1.00 U	1.00 U	1.00 U	1.00 U
BROMOFORM	1.00 U U	1.00 U U	1.00 U	1.00 U	1.00 U
1,1,2,2-TETRACHLOROETHANE	1.00 U U	1.00 U U	1.00 U	1.00 U	1.00 U
1,3-DICHLOROBENZENE	1.00 U U	1.00 U	1.00 U	1.00 U	. 1.00 U U
1,4-DICHLOROBENZENE	1.00 U U	U U 00.1	1.00 U	1.00 U	1.00 U
1,2-DICHLOROBENZENE	1.00 U U	1.00 U	1.00 U U	1.00 U	1.00 U
1,2-DIBROMO-3-CHLOROPROP	1.00 U	1.00 U U	1.00 U	1.00 U	1.00 U
1,2,4-TRICHLOROBENZENE	1.00 U	1.00 U	1.00 U	1.00 U U	U 00 U
VINYL ACETATE	1.00 U U	1.00 U U	1.00 U	1.00 U	1.00 U
DIBROMOMETHANE	1.00 U	1.00 U U	1.00 U U	1.00 U	1.00 U
2-CHLOROETHYL VINYL ETHE	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U UJ C

Groundwater depth values are measured in feet below the water table

VALIDATED MMR LABORATORY DATA

GROUP B, VOLATILES RESULTS 1999

		WLJZLD	WLJJD	WLJSD	WL33D
LAB_EPA_NO	AA267	AA027	AA042	AA043	AA044
Date Sampled	1/20/99	1/20/99	1/8/99	1/11/99	1/11/99
Depth	270-275	280-285	130-135	140-145	150-155
Method Analyte	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE
OC21V (UGL)					
CHLOROMETHANE	1.00 U UJ C	0.40 J J C	1.00 U	1.00 U	1.00 U
VINYL CHLORIDE	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
BROMOMETHANE	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
CHLOROETHANE	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
1,1-DICHLOROETHENE	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
ACETONE	5.00 U U	5.00 U U	5.00 U R R	5.00 U	5.00 U
CARBON DISULFIDE	1.00 U U	1.00 U	1.00 U U	1.00 U	1.00 U
METHYLENE CHLORIDE	2.00 U U	2.00 U U	2.00 U U	2.00 U U	2.00 U U
TRANS-1,2-DICHLOROETHENE	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
1,1-DICHLOROETHANE	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
CIS-1,2-DICHLOROETHYLENE	1.00 U	1.00 U	1.00 U	U 00 U U	1.00 U
METHYL ETHYL KETONE (2-BU	5.00 U U	5.00 U U	5.00 U U	5.00 U U	5.00 U U
BROMOCHLOROMETHANE	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
CHLOROFORM	1.00 U	1.00 U	0.90 J	1.00 U	0.60 J J
1,1,1-TRICHLOROETHANE	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
CARBON TETRACHLORIDE	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
BENZENE	1.00 U	1.00 U	1.00 U	1.00 U U	1.00 U
1,2-DICHLOROETHANE	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
TRICHLOROETHYLENE (TCE)	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
1,2-DICHLOROPROPANE	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
BROMODICHLOROMETHANE	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U U
CIS-1,3-DICHLOROPROPENE	1.00 U	1.00 U U	1.00 U	1.00 U	1.00 U
METHYL ISOBUTYL KETONE (4	5.00 U U	5.00 U U	5.00 U U	5.00 U U	5.00 U U
TOLUENE	17.00	3.00	1.00 U	1.00 U	1.00
TRANS-1,3-DICHLOROPROPEN	1.00 U	1.00 U	1.00 U U	1.00 U	1.00 U U

Groundwater depth values are measured in feet below the water table

VALIDATED MMR LABORATORY DATA

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GROUP B, VOLATILES RESULTS 1999

V CCID	WL52D	WL52D	WL53D	WL53D	WL53D
DN AG	AA267	AA027	AA042	AA043	AA044
	1/20/99	1/20/99	1/8/99	1/11/99	1/11/99
	270-275	280-285	130-135	140-145	150-155
Method Analyte	ANALYTICAL LAB REV QUAL RESULT QU'AL QU'AL	ANALYTICAL LAB REV QUAL RESULT QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE
OC21V (UG/L) Continued					
1,1,2-TRICHLOROETHANE	1.00 U	1.00 U	1.00 U	D	Þ
TETRACHLOROETHYLENE(PCE	1.00 U	1.00 U U	1.00 U	1.00 U	1.00 U U
2-HEXANONE	5.00 U U	5.00 U U	S.00 U U	5.00 U U	5.00 U U
DIBROMOCHLOROMETHANE	1.00 U U	1.00 U	1.00 U	1.00 U U	1.00 U
1.2-DIBROMOETHANE (ETHYLE	1.00 U U	1.00 U	1.00 U	1.00 U U	1.00 U U
CHLOROBENZENE	1.00 U U	1.00 U U	1.00 U	1.00 U U	1.00 U U
ETHYLBENZENE	1.00 U U	1.00 U	1.00 U	1.00 U U	1.00 U
XYLENES, TOTAL	1.00 U U	1.00 U U	1.00 U U	1.00 U U	1.00 U U
STYRENE	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
BROMOFORM	1.00 U	1.00 U U	1.00 U	1.00 U U	1.00 U
1.1.2.2-TETRACHLOROETHANE	1.00 U U	1.00 U U	1.00 U	1.00 U	1.00 U U
1,3-DICHLOROBENZENE	1.00 U U	1.00 U	1.00 U	1.00 U	U 0 0 0 1
1,4-DICHLOROBENZENE	1.00 U U	1.00 U	1.00 U	1.00 U	1.00 U U
1.2-DICHLOROBENZENE	1.00 U U	1.00 U	1.00 U	1.00 U U	1.00 U
1,2-DIBROMO-3-CHLOROPROP	1.00 U U	1.00 U	1.00 U	1.00 U U	1.00 U U
1,2,4-TRICHLOROBENZENE	1.00 U	1.00 U	1.00 U	1.00 U U	D
VINYL ACETATE	1.00 U U	1.00 U U	1.00 U	1.00 U U	1.00 U
DIBROMOMETHANE	1.00 U U	1.00 U U	1.00 U	1.00 U	
2-CHLOROETHYL VINYL ETHE	1.00 U UJ C	1.00 U UJ C	1.00 U	1.00 U	1.00 U U
Groundwater depth values are measured in feet below the water table	d in feet below the water table			Oaden Environmen	Order Environmental and Energy Services

VALIDATED MMR LABORATORY DATA

GROUP B, VOLATILES RESULTS 1999

LOCID	WL53D	WL53D	WL53D	WL53D	WL53D
LAB_EPA_NO	AA045	AA046	AA047	AA048	AA049
Date Sampled	1/11/99	1/12/99	1/12/99	1/12/99	1/13/99
Depth	160-165	170-175	180-185	190-195	200-205
Method Analyte	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE
OC21V (UGA)					
CHLOROMETHANE	1.00 U	1.00 U U	1.00 U	1.00 U U	1.00 U U
VINYL CHLORIDE	1.00 U U	1.00 U	1.00 U	1.00 U	1.00 U U
BROMOMETHANE	1.00 U				
CHLOROETHANE	1.00 U	1.00 U U	1.00 U	1.00 U	1.00 U U
1,1-DICHLOROETHENE	1.00 U	1.00 U U	1.00 U	1.00 U	1.00 U
ACETONE	5.00 U U	5.00 U R R			
CARBON DISULFIDE	1.00 U				
METHYLENE CHLORIDE	2.00 U U				
TRANS-1,2-DICHLOROETHENE	1.00 U	1.00 U U	1.00 U U	1.00 U	1.00 U
1,1-DICHLOROETHANE	1.00 U	1.00 U	1.00 U U	1.00 U	1.00 U U
CIS-1,2-DICHLOROETHYLENE	1.00 U				
METHYL ETHYL KETONE (2-BU	U 5.00 U	5.00 U U	5.00 U U	5.00 U U	5.00 U U
BROMOCHLOROMETHANE	1.00 U U	1.00 U U	1.00 U	1.00 U U	1.00 U
CHLOROFORM	0.80 J J	1.00 U	1.00 U U	0.60 J J	0.50 J J
1,1,1-TRICHLOROETHANE	1.00 U U	1.00 U	1.00 U U	1.00 U	1.00 U
CARBON TETRACHLORIDE	1.00 U	1.00 U	1.00 U U	1.00 U	1.00 U
BENZENE	1.00 U U	1.00 U U	1.00 U	1.00 U	1.00 U
1,2-DICHLOROETHANE	1.00 U	1.00 U U	1.00 U	1.00 U	1.00 U U
TRICHLOROETHYLENE (TCE)	1.00 U				
1,2-DICHLOROPROPANE	1.00 U				
BROMODICHLOROMETHANE	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U U
CIS-1,3-DICHLOROPROPENE	1.00 U U	1.00 U	1.00 U	1.00 U	1.00 U
METHYL ISOBUTYL KETONE (4	4 5.00 U U	5.00 U U	5.00 U U	5.00 U U	S.00 U U
TOLUENE	1.00 U				
TRANS-1,3-DICHLOROPROPEN	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U U

Groundwater depth values are measured in feet below the water table

VALIDATED MMR LABORATORY DATA **GROUP B, VOLATILES RESULTS 1999**

WL53D	AA049	1/13/99	200-205	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE		1.00 U	1.00 U	5.00 U U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	U U 00.1	1.00 U	1.00 U U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U U	1.00 U U	UOOU	and at leave	 Orden Durineamontel and Dueney Couries
WL53D	AA048	1/12/99	190-195	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE		1.00 U	1.00 U	5.00 U U	1.00 U	1.00 U U	1.00 U U	1.00 U U	1.00 U U	1.00 U U	U 0 0 0 1	1.00 U	1.00 U	1.00 U	1.00 U U	1.00 U U	1.00 U U	1.00 U U	1.00 U	1.00 U		
WL53D	AA047	1/12/99	180-185	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE		1.00 U U	1.00 U	5.00 U U	1.00 U	1.00 U	1.00 U U	1.00 U U	1.00 U	1.00 U U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U U	1.00 U U	1.00 U	1.00 U		1
WL53D	AA046	1/12/99	170-175	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE		1.00 U U	1.00 U U	5.00 U U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U U	1.00 U	1.00 U U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U U	1.00 U U	1.00 U		4 1 1 1
WL53D	AA045	1/11/99	160-165	ANALYTICAL LAB REV QUAL RESULT QUAL CODE		1.00 U U	1.00 U	5.00 U U	1.00 U U	1.00 U U	1.00 U U	1.00 U U	1.00 U U	1.00 U U	1.00 U U	1.00 U U	1.00 U U	1.00 U U	1.00 U	1.00 U U	1.00 U	1.00 U U	1.00 U U	1.00 U		in feet below the water table
[M] GISOTI	PA NO			Method Analyte	OC21V (UG/L) Continued	1,1,2-TRICHLOROETHANE	TETRACHLOROETHYLENE(PCE	2-HEXANONE	DIBROMOCHLOROMETHANE	1,2-DIBROMOETHANE (ETHYLE	CHLOROBENZENE	ETHYLBENZENE	XYLENES, TOTAL	STYRENE	BROMOFORM	1,1,2,2-TETRACHLOROETHANE	1,3-DICHLOROBENZENE	1,4-DICHLOROBENZENE	1,2-DICHLOROBENZENE	1,2-DIBROMO-3-CHLOROPROP	1,2,4-TRICHLOROBENZENE	VINYL ACETATE	DIBROMOMETHANE	2-CHLOROETHYL VINYL ETHE		Groundwater depth values are measured in feet below the water table

OEES Technical Information Systems RGEN Vet 2u

VALIDATED MMR LABORATORY DATA

GROUP B, VOLATILES RESULTS 1999

				QUAL						C		×											117	, 19V	GEN	d sur	-teu2	ZOUEL	-roju]	. Isou	Tech
				LAB REV QUAL QUAL		11) ;	<u> </u>	n	U CI	D L	J R	D I	D	D	D	D	D	D I	7	D	U L	D I	D	D	D I	n	U U	n n	D L	D
WL53D	AA054	1/19/99	250-255	ANALYTICAL LA RESULT QU		1001		00.1	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	0.60 J	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.00	1.00 U	1.00 U
				V QUAL AL CODE					C				_														,				
WL53D	AA053	1/14/99	240-245	ANALYTICAL LAB REV RESULT QUAL QUAL		<u></u>		1.00 U	1.00 U	1.00 U	1.00 U	5.00 U U	1.00 U	2.00 U U	1.00 U	U 0 0 U	1.00 U	5.00 U U	1.00 U	0.70 J	1.00 U	1.00 U	1.00 U	1.00 U	U 0 0 U	1.00 U	1.00 U	1.00 U	5.00 U	0.50 J J	1.00 U U
				LAB REV QUAL QUAL QUAL QUAL QUAL CODE		11	- F	<u> </u>	ח	l n	_ n	n	D	D	n	Þ	D	n	Þ		n	n	n	D	D	_ n	_ n	n n	n	7	ח
WL53D	AA052	1/14/99	230-235	ANALYTICAL LA RESULT QU		1 00 1	1.00 0	00.1	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	0.50 J	U.00 U
WL53D	AA051	1/13/99	220-225	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE		11 00 1			1.00 U U	1.00 U	1.00 U	5.00 U R R	1.00 U U	2.00 U U	1.00 U	1.00 U	1.00 U	5.00 U U	1.00 U	1.00	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U U	1.00 U	1.00 U
WL53D	AA050	1/13/99	210-215	ANALYTICAL LAB REV QUAL RESULT QUAL CODE		11 00 1		0.00.1	1.00 U	1.00 U	1.00 U U	5.00 U R R	1.00 U	2.00 U U	1.00 U	1.00 U	1.00 U	5.00 U U	1.00 U	1.00	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U U	1.00 U U	1.00 U
LOCID	LAB_EPA_NO	Date Sampled	Depth	Method Analyte	00117 416.43	CHI ODOMETHANE	UNITED OF CHANG	VIN YL CHLORIDE	BROMOMETHANE	CHLOROETHANE	1,1-DICHLOROETHENE	ACETONE	CARBON DISULFIDE	METHYLENE CHLORIDE	TRANS-1,2-DICHLOROETHENE	1,1-DICHLOROETHANE	CIS-1,2-DICHLOROETHYLENE	METHYL ETHYL KETONE (2-BU	BROMOCHLOROMETHANE	CHLOROFORM	1,1,1-TRICHLOROETHANE	CARBON TETRACHLORIDE	BENZENE	1,2-DICHLOROETHANE	TRICHLOROETHYLENE (TCE)	1,2-DICHLOROPROPANE	BROMODICHLOROMETHANE	CIS-1,3-DICHLOROPROPENE	METHYL ISOBUTYL KETONE (4	TOLUENE	TRANS-1,3-DICHLOROPROPEN

Groundwater depth values are measured in feet below the water table

VALIDATED MMR LABORATORY DATA

GROUP B, VOLATILES RESULTS 1999

Ogden Environmental and Energy Services

Groundwater depth values are measured in feet below the water table

VALIDATED MMR LABORATORY DATA

GROUP B, VOLATILES RESULTS 1999

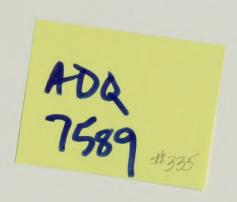
AA057 Intentionally blank 1/20/99		WL53D	WL53D		
1/20/99 1/20	AA055		AA057	Intentionally blank	Intentionally blank
280-285 OUAL AMALYTICAL LAB REV GUAL GODE RESULT QUAL GUAL GUAL GUAL GUAL GUAL GUAL GUAL G	1/19/99		1/20/99		
1.00 U U U U U U U U U	260-265		280-285		
1000 U U U U U U U U U U U U U U U U U U	ANALYTICAL I RESULT	LAB REV QUAL QUAL QUAL QUAL CODE	LAB	LAB REV QUAL QUAL	LAB REV QUAL QUAL
1.00 U U U U U U U U U U U U U U U U U U					
1.00 U 1.00 U	1.00 U	n	U UJ		
1.00 U 1.00 U 1.	1.00 U	n			
S C C C C C C C C C C C C C C C C C C C	1.00 U	n	n		
8 5.00 U U U U U U U U U U U U U U U U U U	1.00 U	u c	D		
8.00 U 1.00 U 1.	1.00 U	n	n		
2.00 U 1.00 U	5.00 U		n		
2.00 U 1.00 U	1.00 U		n		
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1.00 U 1.00 U	1.00 U		D		
1.00 U 1.00 U	0.70 J		n		
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1.00 U 1.00 U 1.00 U 1.00 U 1.00 U 5.00 U 1.00 U	1.00 U U		n		
1.00 U 1.00 U 1.00 U 1.00 U 5.00 U 5.00 U	1.00 U		D		
1.00 U 1.00 U 1.00 U 1.00 U 5.00 U 1.00 U	1.00 U		D		
1.00 U 1.00 U 1.00 U 5.00 U 1.00 U	1.00 U		D		
1.00 U 1.00 U 5.00 U 1.00 U	1.00 U		D		
1.00 U 5.00 U 1.00 U 1.00 U	U 0 0 I		D	0	
5.00 U 1.00 U 1.00 U	U 0 0.1		D		Three parties and the same
1.00 U	5.00 U U		þ		
1.00 U	1.00 U	7	b		
	1.00 U	-	n		

Groundwater depth values are measured in feet below the water table

VALIDATED MMR LABORATORY DATA GROUP B, VOLATILES RESULTS 1999

11/13 250	LAB REV QUAL CODE U U U U U U U U U U U U U U U U U U U	AA055 1/19/99 260-265 analytical lab rev qual result qual code 1.00 U U	AA057 1/20/99 280-285	Intentionally blank	Intentionally blank	
ampled 250 d d yte		SULT QUAL QUAL QUAL QUAL 1.00 U	1/20/99			
d // (UG/L) Continued -:TRICHLOROETHANE RACHLOROETHYLENE(PCE :XANONE ROMOCHLOROMETHANE	LAB REV QUAL CODE UNIT UNIT UNIT UNIT UNIT UNIT UNIT UNIT	TTCAL LAB REVULT QUAL QUAL	780-785			
d	LAB REV QUAL CODE U U U U U U U U U U U U U U U	LAB REV QUAL QUAL U	207-007			
LENE (PCE 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.0	במממממ	D	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE	ANALYTICAL LAB REV QUAL RESULT QUAL QUAL CODE	ANALYTICAL LAB REV ORESULT QUAL QUAL O	QUAL
1.00 2E 1.00 5.00 1.00	במממממ	n				
5.00 1.00			1.00 U			
5.00	בממממ	1.00 U	1.00 U			
1.00	במממ	5.00 U U	5.00 U U			
	םממ	1.00 U	U 0 0 0 0			
1,2-DIBROMOETHANE (ETHYLE 1.00 1	D :	1.00 U U	1.00 U			
CHLOROBENZENE 1.00	11	1.00 U	1.00 U			
ETHYLBENZENE 1.00)	1.00 U U	1.00 U			
XYLENES, TOTAL 1.00	n n	1.00 U	U.00 U			
STYRENE 1.00 U	ת ת	1.00 U	1.00 U			
BROMOFORM 1.00	n n	1.00 U	1.00 U			
1,1,2,2-TETRACHLOROETHANE	n n	1.00 U	1.00 U			
,3-DICHLOROBENZENE 1.00	ת ת	1.00 U	1.00 U			
,4-DICHLOROBENZENE	ת ת	1.00 U	1.00 U			
,2-DICHLOROBENZENE 1.00	ת ת	1.00 U U	1.00 U			
,2-DIBROMO-3-CHLOROPROP	n n	1.00 U	1.00 U			
,2,4-TRICHLOROBENZENE 1.00	n n	1.00 U	1.00 U			
VINYL ACETATE 1.00	n n	1.00 U	1.00 U			
DIBROMOMETHANE 1.00	ת ת	1.00 U	1.00 U			
2-CHLOROETHYL VINYL ETHE 1.00 U	n n	1.00 U	1.00 U UJ C		N N	
		Marks I a				
		THOUSE PARTON	12.8 E2111 23 1080			





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